
Subject: *****FreakQ Update*****

Posted by [Mike Audet](#) on Tue, 25 Sep 2007 01:49:54 GMT

[View Forum Message](#) <> [Reply to Message](#)

This is a multi-part message in MIME format.

---=_linux46f86942

Content-Type: text/plain

Content-Transfer-Encoding: 7bit

Yo, yo!

Attached is a new version of the FreakQ!

New in this release (both mono and stereo versions):

- All Mid and Hi Shelf EQs now have selectable frequency points.
- I've added output metering to check for too much gain building up from boosting bands (and because meters look cool).
- The low shelf has been removed because of a problem in the dsp code that I don't know how to fix that caused massive distortion when it was used.

I had hoped to make this eq fully parametric by having a width control, but it either isn't possible, or I just don't understand the math going on in the algo enough to make it happen. A friend of mine who is far better in math than I am has offered to look it over. If there is a breakthrough, I'll implement it.

Let me know what you think!

All the best,
Mike

---=_linux46f86942

Content-Type: application/zip; name="FreakQ1.5.zip"

Content-Transfer-Encoding: base64

Content-Disposition: attachment; filename="FreakQ1.5.zip"

UESDBBQAAAAIAOBh9yzcyqci8hAAAGZLAAAIAAAAaWRIYWxvZ2+9XDUS7EoR
LSKIkCzWcE1MLGwFDIFB4JQrZyzWlQc2lWeMctYhA4s1YMwSnIUyMMTJzPpk
faTue+GS9/VMj0pdOid/lZVSvz/8+S9/Miy//7Uxv8Xvv+L1N7x+ZWY+/rs/
GvOP38irlo3/M9smv+gf3hzHYY5/HeaXf/7dmG8LXh94YeDbJ14HXl/G4LBZ
vuGFNwvGF4wvGF8wvMAch8wHxj8w/oE/PjD+gfEPjH98xetifMP49sEYzlbx

DeMbxvHWfGL8E+OfGP/E+CcOfmL8E+P4ZQ6MHxg/MH5g/Pgk8HhhHP+ZL4x/
YfwL418Y/8L4F8a/vgS++YYX/fvAa8PrE68Dry+h9g3j4L+A/wL+C/gv4L+A
P9PGSQveLOC/gP8C/gv4L+DPKGH/BfwX8F/AfwH/BfwX8Gd1gf8C/gv4L+C/
gP8C/gv4syrBfwH/BfwX8F/AfwH/BfxZzeC/gP8C/gv4L+C/gP8C/mSCBfwX
8F/AfwH/BfwX8F/AH5fH6xuz3sCfbQ/+G/hv4M+mAf8N/Dfw38B/A/8N/Dfw
Z7OB/wb+G8hulLQB9AZgGy7OJgX/Dfw38N/AfwP/Dfw38Gdz4ylbJtpw8oYD
G/hv4L+BP7sC+G/gv4H/Bv4b+G/gv4E/uwn4b+C/gf8G/hv4b+C/gT+50Ab+
G/hv4L+B/wb+G/hv4I+P4/WNrX2A/8HMP/Gif1/iWuB/gP8B/gf4H+B/gP8B
/ux24H+A/wH+B/gf4H+A/wH+7JLgf4D/Af4H+B/gf4D/Af7sruB/gP8B/gf4
HyB9gNgB8OzK4H+A/wH+B/gf4H+A/wH+olkXxgHkwMUOTHjgQ7/8+zKe9EQK
Nh/f/Z65LftE/OkR/f6+EVyf8gDC09NYZw3/Tb+s8vfUC38SRCOF/j0ThsHQp
a56EIi5mmc/zHB1/X1ocL4Q01U8S6LD7r5SU53XD63onA9YqVXWTeDm+Tj8O
JU9btKHeuStfxBl/CyQdd/6HgeRZfVZlnNaVk4quBFTjJHMedvv8g0jouvXR
jhGbcdj6UI6OJTQK45U1JkNTEQSwjkkTNSHcg+63FVdCp8pRjGdPioPdydf
6gZMCNMc39UDCYdNbEUl5Urhigw06/SpMokSu/rznILSi7zHTBPoOD9fvRQc
aRbDPhnVEabz9N6fHAMyxBbq9TzeaR5kYj/R54lGmKfT7ytEtO6vXjocLAnF
mc0FdUtyLYpJUwhvcK1D37qJh87mOEamFsUNDhdnXvXB9RlvYSDDfNYiOUkb
0yA9DnKvyTgkX5mYNRCNjUNEIA6u4/nsfrKrRk4qnCfTiXutD59tUk/Jlh/3
cloTu0nYFcRXLNEOwfudnMOtKwb4+ACGxoH/QDba5Byo08pHYggPjssC94Zz
S/jqAA3TbntTOqlwKBg9CiYi5oB17BhI9FmWfET/Vd7WUnA4Mnr20NH6yZn
yD+SjObDh+eJ7FAS6wk7uZ1C/yHVmtouFxpOXDTKRE7hLcsdlBLrZAD8m6Oj
rWeE8UlfpqSNgY/zsHYwhT76nyq2HX7hHUv2dgyrHsxEQdpgGYlBwhd5hHZ
FY5Aqb+fNXSa3ENINrZDDxUxzToHF7ymvZ2MJVYXMXMkX6pk1gzc6py161RW
pnGosBhll6ToQepgmUJVtQ1mq7Sxk3PM+NCcnf6+djQFRzrpzj1onSSvcD6v
ds1kU2VPyr/sqdf52jJpMq987hy5h91V9enMyoj4xEsd1uKC+GVQenKjNZ/E
FP/lx0ZLE1aLMkX2Dc8BnBa9UH/AlXQxJ4T2rpQ2KI7ywYE+IEZdVbteu2M0
V1cpsVtz/iyxa+4qacOXp0FfUnXvIKsKWVvBkBWEElXo1KhX9zmF4J2nmqIG
BaQNGF3KuZhnVP6Q3y16hSPkmt7eOljCoZ2kroC0UaNveFcsGeRHm8lMnedC
VMhw0b8aHLHSuq6ulswIVfryTVpvvcpXdfv8Ng52Ek4O/NfEBbJUyFKHEahR
FpXPzI2Ueb2eRIW8gSOJz4dCWapDjNH69OwgYejc6oQ0bitrIXkGOKT87E9m
zfdYkvQ46tgIUhRqPw3IVzupWMH50bXYKKIWpe+Lk8RgNbARRzrX99iKbloc
UVzc4Ca9OKPTV10jowCbUGf0/tHgmAY4stzgsEbCMqUU4TlwbZhIJ2d96Fbp
ZjFhw+ztFJHpLY6LV9VsH64bu9MQVLtNF+1KoDZnEdB2T5nWpnsc1QaBCmRf
A5Ftay6o/cBBmtggoPXCT7YWqhoHqYjdLuK4RCdGPJQiV47yVDNvnUuFM6I2
TJKzwsGbkUnlFNKfKzwRFA6dozJ1VnZyTPIFSaUpHbmX0Cz7hozQ6sOVIOTy
DpaAKBw6CvL7kCoCNWOLggwwYVfQlbV7h8PH2ohUYV2a1pr7uC0/yyn8oQ6F
2WdUtOvcO4iqhEg8nDnQLJwPnVwhXKlwuQZiedzy0p7rAYHRhgXKelQsxWio
mleGAqbyD0/RErlqSLzkgtskLf4RV7zsLWFUuwKGs1JmhWawWdQ89FMMolXu
n3Gk7JG9du52WFQVnJayQphUYR6lbrjsO3tbSlth+VmXpUricArf5KldqqLQ
3Hm/OXtC0wCpVv5rP4N03rQqotzgiJLCJgZsZxTa4vn1FK/hWrw+pcrs0zrH
1LA7DkT+eUI9+Yyjrkh73gzBoLYP9SmsGKHadFhtGO/JkWPYhj94viMQ2fy
G23QD9qeuDMm4ypo1qwQBNUZ/SDUeZHhvl+j310BwUROIUZJmqvW3dJrCDPt
PUJKAIW0uCqvNxlTTPqj33x7XNrvE2sjbbPoZ3Vm2TdRPEVfv9hFQvY7d5tP
E7mSObpQcTwP9E7ptZQVIW/erFudXXUmE/Exk5afOHKHI0o2TNe4Y/ekniAB
rDui1lly/uSe3GjbpNwzK+RdHL1VyBOWkFE5WODn2NctJ9eKV7h0fzDdMXAx
aPJxn8qhO9ljAumclDTg4XmhtgoJX3tCnWb33cv2p+9Whto+r+wSpW97kToo
VibTWoVOL42G2IsKdM9CbCQj+dwYcm/hCHOXOiZKnVPrpEIOZUZaA6UkUDp1
xTD2O3B0XsoL+B53rV1Poyndp6tdifuVzrzCQZ/o1TFTlj9jGHVmiSk18Y+3

bvKHyyfpgtc84RAfa9VhpfDczRxptupITo1dOmrpnduu6RjXYT51gPekkYd8
WqQrPCIOA03Fs9smFmlj2+bmDY3Lbq90KtRGkX+8gSO0DSfUv+QZcdnqOhHR
BL04DRxXeg+VVgz2jtf5IKSrfzteXKLNaHSp4sz1b1julPhKz/aY20VFfIG
ji6n8ybE2hA7c81WMW5jdkpmGYqnEkADC0kjinm+0vcqn11X7ulyC9bymldd
hKY+h6f9d4J42kErWZlm3lepJPRrC134pGucQxwStbwjjRkukFX6m0C6umlw
YAPfLQTtbsCle5zpJl6DQ3fZ49DZ5bqQ9Ex/NPmDM9Y++ES7K6ETVt4x+xGO
YkdZh8nP60nTH7SNx/t97fqWVGhOzWfasl27oJASXHebvBRk4pp7WQlD81ta
CDI/SOKMem79v2048aaJwyXi6Ayf7rpaub0vluzOYmEgTf6lhm3bSaN+9cw4
xFEHpV90VI5VARbuyvfc+xNlzxrqzXyy61ov5A0O3jxPlptO8Wrt/IHaNFZW
ZbgSuYk3tku8LG39gUql+GOl6iqNWX9K05ZxnKP1RaajNZpjb7K7FH5uYJvQ
rfsV66grNLYKvuRhIOPDe7tcFS6mVe4c+aHHqw4oTRbu08kHHodrJwKxmq1
FVUT6imuXoOA4XNOMSNc8QE05/fdObdSgdgDTzja3L2WKav0EbmF9C7h6Hqz
7J7zJI4y+e4mvV3Uulbl3HbVVx5hxxwqHKnDcwqiKR68Rg1z+feTpymb7Ab
wdEVoPmKdfqQoxywNFNSVY4e+Lmu7vkYLW3sGMHRN1hkjQqNPmKGJDMsJphq
+6Y55drhMxNJmqJfCIS+N27YEUNrl1gTU6WocJipDckRMSVWx0HB0RfkJKKQ
+I56XNQo83J6j2O+wXG6J12Qd7QaNkYP8Z1jzzTDCleJt83jWJNSpxGtlgMY
jGP2I7OI9oY4AI2IlzuN6Q523+htBIX8EMe9Ldcw1seVom5prFob23Zul469
boDjHj63lQY4aCvhlJ+q0A39o1Z+OhU0m9Jsh+PBmi4090P9DQ4TGYZ6oSI5
6QJF5+Iplh7HgXqRKkc46GINjqiovp1V3UBUofUeB0O8yDTGMcZcZSLSi4L
w5sO3pSeg2xj6KzvxVH9He0SceglQzXZyl7zTqvYf8ws/HqzG5e4qgJxnjx
SQFt7dQvVFSyqEhGKkBeOttk3mJo5455nWXKqLGMMMFwmkdQcErJnXNQmde
4aibDrFQ43waaq/kequ/V9glHH/CJL5dos0zDqzzlcGl1GBr740+WFUDs9Ri
qWYAjgbGKxyu2b1YKQbo6nJvZa0j93mZNZx4qWPRLvuvCPimQlpDjhlF6oM4
jhcqJY4aWnQ/6Pv8dKodL5ZzbBfORxoHcXxeaE3EQTDiXKhyu3nE4eqKID/9
RelwauKW93Xv4PDQx8qOpoCYRxy+rtqirIWZwklqVQWTcLxjF49p97TITVDM
Ew471xVN8i5O1DyDTnJ8I8S8kJVue+/zLvfi0LME469KTO9cGAtyB5Yj5M+
Xsat53vfeMnjitlJzAMOdza35FL7gK4m7Xs9Tsi6Va4VT3Nav2Nyp/f/5gGH
b+vMtB90spFpag3S1st86nfeY8rEqioz9zhcuyFM2xSKIXm4tDlbBfJwfVfi
scPNk9qpVJPmHsfzpmSMa04UtxV+uLq/pWDyHNf9MPRs+Tv4Gj3ILHrxuqQ
dabujPCh/qmp6hz9HkDK85PmuS7UljldKEsvqlqK5VD/MMqtWOpB6PzxMgmK
xBKlFNUU9deccqXEZPEAKhRiHncv2hJ/ZyoDspCpylvO5h3UnsWa9fc+8ef
L32Lxaae2WmtLHehalfl8DS/yYqFvvag8thwl93KGoP9dNITgkq3sVnn/OD5
vluBh2gc7/iWi60FguHSc2EI3ab2EfJKt4G5F9LHXHC8Y5izwJA8Av6qtxd7
uSe9eRuHJRyXwvHKMCm+pEucvm6hYcSnLiayz9s42C4ax4vujYtfqRG3IK7o
Va21yeuxEM+c5uxbTmKd1/4h/Yz7s2OkMNR89Sb1eAyfICv4blZoya7rc0Mo
fg44dNyGQa9AyTpLo4z5xwdcgt5Rqka/ZDG3vwNDh63o47r7ygtJvB8zizZS
Apwq58giO5tzfctHMFv+oBEcYd7HDCzBCPIZqXiXTRsy9+I5p8zOnfO5vuEf
OloyDn4ObXT2SI8cjY/RWco61KISyrBaG4wmpEeFH4W+MroWGAXHNQ9ss9L3
V6c4rY1Jp3KmPdWKCcbFT/+9wGFrJ1U46PNT/Xn+ttfkk+s7L9+p1b1R5xtt
iNA8r5CoNU7jICHqO323CvllpUdqyndZCTw/O1pBHX3vKrzGwd94W31128bU
G01+Fp0eMZrnilJLOH/OEq6My96jEIHKXsHYG002OlpljHDxBk3EMOGvk66o
davasP7uJVc69yw73An4ZSnrb3355laBgr6d65tes6POP4cWnvedBfpAf+
w/uBQX8ODIJIQWJZF2RMOFz0f+5/LbzCJChkESrOzys/J9Se/7NwnLsTJOwo
trQHY3lyNSr5WThgGv6aJ6vCVXflqWnR3dr+eThl6H8dABCD+Gjl5+JgaSwQ
Bsf+LzjeEgTXfwBQSwMEFAAAAAGAtqs3Nw7rqUkUAwAArWYAAAwAAABlcXJl
YWRtZS50eHTFVE1vFEcQvY80/6FiCQnQei1AiYJvQlxsCWFJE5GDLz09NTsd
93SP+8Ozy6/nVfdinEiJIJesdrX9+eq9V1V9yaqfeJ22qW3a5szFpKxVyXhH
MglZyzgey+4n43q/RHr5K6a/u89mpjQyfoGZBmM5UvJISR9fL/XwddzFxNM1

u+idub2ebd4YF6k3gXxYfcQ+I+LHwZ+8fzfoX/jqlOZv4l4G1jdfMDw8Mc/
cv+9cUydcj2lbbmnkw9kHIFKYE+yPHnn6Y5DIJBrorZ5oxx1TDniOHwVHeDJ
IUV6/PD0kxWpviVYH2hjfacstUqQ41oin6plqv8zI0WdFYg5pxLR5yRDrG9Y
In4cDTBAUyNw7yn6iQnxjM+xbSblNta4jVi68zlgOwMkeuGoVeAhW4CcJQKK
84kOkplMf0AIL9QvXI2eXbUN30Ya1R28YEaUYnPHfRHcNlcScvaJXTKQAeng
Hvi4bD7IW+JhQJJinezdqJOObx8Ywoi30O5wvR7+q3f0+PT8E705P3/3pN6T
C4iGq5PZIs5TZObi8uTq5OPVT8W/e1vwNwdOaSfch13xUCNZeQLL5z8/lj98
5UeBYU/Q2AArYqVHiZ+U01xA2+a1Ct3Jfyowz0rfFUtnljMILmzCmriFlym
xaRxn2zMpxV13sd0pHNaEYr5NrPTuxW9horF9Glsm1qcFuZR2s0s2lLwFqWB
pOp/LkYILBxQhNRIHK+u8R6sZJBGM6sYV2R9/ZdWqCMIGdkOq7axvoyKsTPa
DZrWJEARor7WUW2cUk01UjWSkrqB28+Onv0C3chE8um+BB7kY19oQA1c/bsz
MeNkl1HaoypKpXylqn2QJwGKxUy0C3T2ZjC6PHTlcdnzoleCq3u9ibNVOzQS
136YVEIVLBIC/YPGsnvsEY2goZ2L8LYJfOhnrh7L4wT4V1bib8aydpBQ4Qd/
A16VLZenDgRE/jc65WBN7/0dVVtDTpU+Xn9X90mG/4cOvLCs4E7g2eP6HDze
sanYvyzLeoOXOZme1Vr76WjhvzESj0qST5W7iTL6AlBLAwQUAAACAAGqzc3
heAciW0HAAApNwAABwAAAGdlcS5pbmntW9tu20YQfZYB/8NA7014l6yiD1Wi
xAZkWL4kfQiKgJJWEmuatEnKlwb+9+7sjUuKsimXdlOakuDsUsuzZ2aHM7vH
8bcsicPwz/29/b1bkqRBHB37f8UJ/AZWfiWI2BUDr0Rz2qad7ihK4yi46eKt
+P4GYTBNgUJN4/ujKM0+hiEbuCQ37+Zh2AXgAzvqhTfRwSTINwFJrz+PToe0
RYfCtZ9c4aWjaBlnGUAQjSuvnmIXT9YZuxyvs3H1ZTV6EcZ+Bvef/SCCTucH
XAXR4JcD750BcOXfD5w+tgAzX4TZwODtWZbl5mMR5qEZmHHcDM5xMLEaQ/qU
kJs1iWYPAgwsQ4KZBwa2OZjl1oGzGyPmNlbnobkNYbUawyp3wzSYdAUjgoo
yCMKx7KI6htaSJmW6CGc6DC8XwtPzV0VomRXRPRsRooj8k7nETA9/0zQ54AO
73BA1amljNqll05obUd0ayOaOqK5HdGpjega2jqrTsXTXhtxS/bYjObaiLju
Aq+/xWZaEI5JRplXWWQsJgc2wmGwcSh2jVasLbefBctV3fspAv0A/7EOwA/H
/gMF+nKEHw8dmPiA3Q1M6lRYscWCLMhCMuiOzidwAEM/msPolJbTBGcdxsmc
0EgWgHVelFMYRAh4OpCA59QKEsM4iC7JnGJncRwO/eQk+hQOTNIDL1FGsnsR
X2u9P4J5RvnaHnAjcSLmqtuZYXaSOPt+GcVT6liK+wNctJHONPAohj/Fabid
R9H1OgMc1mV8Ez9akoHp4Gilwu9zMpsgK1hHQZaOp+GgOx92dzBf2v/7/K91
mqWQrQgskRVdUmwHjECa+UsC8YJdQoc/8inoDkbaZWl2PeR22Y6h2WVJu+gu
5D82LOYMni3rskJEHzmyzdVsk6mflZqBttncOEcadxjA+YqEi90s69Sz55BG
OoO/Dallp6tT9QpU9VqgYgz5MsKuRliNLJDu9TFtbGF9+Hft9ejo/PW5kL7Y
CksLepoFavOWe5tWPkbek+TpGDBfK5l6eYbQ55G0Fel+iXTueO3hltR7Reo4
tkC9f9Cn4xv1uj7TY4n7QZG7rRwunl1Ju6/TtnKP13M4yNOOxsjS3KkFsWmU
GBW96fQLtA6KtN7Km1bJmXP9s0jfKUdWxYr5Q2du7xzCVR61CwGqGFklRtXh
KXm5RV5v5VG76FGNvl2k725EqGRu6sydnT26A3GNt7MIKZhOiXZ1GFd63Xkz
rzvVWcF0i+S9UhBbjqBt6bTdV3S5xtnd5nGvRLoyzhV1t0j9rTzubo3zUunr
leNcMbd15t4rOl3n7W3zeqn49SrvNrr3pt53dO9Xqo3pQrYL8W6bQjqjk69
95pu15n39SqZD9KXwCpVzH5l4Cs73KlDb7UEvcISSOq0WpLb8egjOz129FMo
B/nBw5/TD/0pYc4EeoLoAr2THsoMPGx+9UM8WuJhE5uqtiJQF1Z+ujrOB2H3
KJol2Dc9EBzZnOJkQgMAS2yxjlpWJVd25C1x9V7ClQE9R1ay5bNW0cU3iebr
QDSm8T22cln5OI7ietJyUUTE39MO/K1c/DzSM/rMc4JPKxe/CKmVi1u5uJWL
9zajuTbiDnKxDOrntd79J6VeKL7Kum/Twu+ry766KNdqvq3mW2lZq/kmreb7
mkeuVvNt0put5tu0R1vNt9V8t75azbfVfP+V11vN93+I+XKAn0DvVfJpUTyd
1P0PuWXVVD835y9yY2ZJclVnXaYKmVwLEudxi3W4LsTHy9P94xOA0zhOsy2l
/RchLujySUBTyQWorbCOEkkkntBlniR5hw0OabzjJ38EdXOCpiDOITfwOhlr
e7gmOVYVvKruBxA97dUUIx/MAVilb5xoEzRKNihASr2EVALjSk7t+UAlDeK5i
gyqN/BSE+Ehe0GF6nnBByxGGniNqZwhp9jkRR/QFn4ox0k7lYqsL2TQ8ZpFi

aFdEhLCf9NOFW+DaT1MkkY+xSmPGsRiTd7FLQ3ARNoGcjclSdtjXkdyNyeQY
DcgrDZoQ/xLP9EpbUYtl6ovFE0W+WtWS0QUdpK+V/cRBHpNdhVrC5qkpA8lk
XiDKE9CmuqW2jKNTGOKYAIHvSaK7BhbDhziBD1gzpLgj6NqK7neW2mSK21Qb
1IZL0y6qQ3+H8igo5rV6QXkywu8VW0nVKXr2rkpXUNsTDFz26BeeVjp2i19P
Plxg+EqX0bvV8G54DyezzL8lKeUCPFOKYgh5NcT3t2s/m60l+zMX1gTyeXQ6
wVYHRWF/ncVf42BGPkSULsOC4l+28H8M/GMa/JJZjSWT2knuWQU9mg946ldf
nhW+NLUvaQmGrXcG0Rls3olf0zIQBhl1oaoGzIQvR8rbKNnTQmAxmDo1tKjw
L0/VU3SxClKgHz+im7cppnLc9kyXFI0mt2jAXDRc4vOUrdNhlrGM/ii9In2h
VSE2P7DF5pbkxmIGxpchdz3+Vle4/znvy18A580dVqHa0T+XL5VVO/pTeHMi
Alkiip3fZNeAfQVX0Qo/HVW4Cif0rwhN4LMdXDV5Sdj9A1BLAwQUAAACAAv
qjc3dGoIEnRkAAAAAMAEABwAAAGdlcS5kbGzsXH10FFWWr0CCrSbQlkjGASeu
MIMOClBgxVXXwFAj61hnE7T3MM62l0rYNqKwbrLrByiSRNNUglGCAwoOKDOi
okQnIDDZOcGJk+CJu9EJa7VUx0bbsTLpwVZbbbTX3nvve6++ujsd9+w5+0/q
mO6qdz/evfd338d91ajc2CKNISSpEP7SaUk6KLGrXMP/afA3/nuHx0vtp795
/sGC6948/4bAbf9Stuau1f901/I7ym5dfuedq2vKbqkqu6v2zrLb7ixb/PfX
I92xekXV7JKSM6ZzHUPHHv1wX3v6gPh784XYgRfhe9aeTw68RG3fHAjC9zUv
fh7gec7zCD0PHvg1fX9N7UtvuzWANGFbhSxJ1xUUShd6v/yxaltl488/s2Cc
JPUhA2uT8d5LRInuvOy5kMulb2lOAEODawxnZc9esx2/yk4rkM6AgHohlk3S
MFdZgRQpGY4hxxWRpEkFucmza6ruroHvr45KzKA+ybRPXGWSdPPsu1Ysr1ku
SRddJDHf50giBuZDV/NZmxSjwc+vDwGXqcBwNc5+66qVatvlaRIEYTyjQUj
g2+RNHqNXqPX6DV6jV6j1+g1eo1eo9foNXr9v1w+NabKnm66VxVP90loeO9d
rPo83Yug4lt/NRLli6X1V1wD1JXdc73jJCCu7F40sUAi2iQuCbRZkuT/PSH8
MlanCAFJil9dLRntv5Okui6PXIJxQvKG/MluOYYi3bLBvqLYTbccYU8p/AoV
LQFeTUICD9qSQtcu/XNxyJ+Anud2rlQXTWzonFA/oYj6nfv2SrXSG/StV+X1
dUZBED7XrS+a8PDJQiSvT09vvvUc6FdO6iXlAlCc0EsWwM3AYF3ME5463RjP
7Av5dL1oDhAYOeSLhlf0RYJOv4GONWD7YUYhsaFFrk0TsHTnFIR/6dKfNr
oaJZ6EOVuJG1gVMhn8H6CEXCO+5Op9OgggtuYIJ6MzX7YyGZs2pyTJ/PQpdS
5VRQjobkqCanwLbBM8iKZHjHGqYrvCMANxCU0EIP0wsgSOUAwjRS79VnkIfN
yKaT1HuRL7oW1p5JWm6G56G/Jj3LUA8559RzrMOhB9mYXLjhZjK8x3JpXweP
RX9I7mFR5ZSgoPS6KfcJSI9I7tXkPv0qCpe/Cx+VrpA/yjMFgoCApEJFMylV
+jSlxggcn1aFWM2Bo0xEqZpSNJLysxewJnp6lyHORPyt1tGn/wtN+Cg1fYn
0dYRktu1GQSnQvcE7cBgeEcFAdDOBZ5hAnqnpzhUGxitA8w1JY6aigaOQFr4
OOWSgES7yJzOgSM8F/3R7PRBvaSU6FaadjrSdLCAXkiolJv7p/+Wu7/bcvXj
w9zVPVbbR6Jtb0jeLdyne+bMkfCOJeTibi6w+7Dp/h79RU5jzFzQ5nqbcKdN
U3YLN9syXXfRBwXdcR3N4fpJNgVR1pZwg7jITszsMdlC8sUhHplmy339EHe/
1WrrF21bMbnkndoSj6YktNpWTn+c0TWlNeTfHpKbeLMqxBpD8nZNaQr5W0Jy
oyZvF2leT48tmIJPrPUbtSUrdQSQWoVo6ZUJRJUytSynVqMoQtGMLXSoJ6U
zfevDnLf4+DT3KMr1SWzGo7WgHdxjGscBFU5FlxUCvmk+oxg5VSchxRkDiOr
C8kRvldU++n0kJzCe+joxpnqh/7ff+SVvFecJXmPwN8HEyXv+2dL3vAkyduL
FywXOEbZwiGWjAcP2peMafVnF3iJDgaDG+n0Azimr5BTD3igx6CSHBqn+JB
HywXseyQOGfyRaQepbVaiKMHYyoXZ/P9m1e57xDiKAcr/ioHK2619Ym2hMjK
SAGdF3kZgcEAU78c4fxPvGqOhIR+h7kU2ESqIgODOAxS1ZNEC0QvIjhTYiAw
henJTRG47yo2VoDmoBzLJTWYXWo2SRkgJafctllEgxiWVahKrFL1TVqanlx4
gois0YDGUndjEhqNWo0H8cj3fwfCPQcyQbj9QCYIPzmQAclwEEw5MAIijgh
kG3BrMoJwYn9TghcUnxydku9sD83Bl/s/7+HYHqoCIPPdz8YM44FbMVCsL1S
ktodYlobu59HFhAodlAG2zklBZHVL2b7JLafSrF9Cqxp/lj1OSE55vbqUDt6
FSVaKOKmPKlUHakRLTMka4kcJzIotQyGnxGDocrTIRJRd8ywUXfHDBvjzpix
RoxuWa5AFkO0YCZ0JHTxwFEeoHd/I5Ky+jzcY9q3kvB4MQuR2/infkOAV08x

lxaLtoFosOcr5RB77eZiY8rpbaa5+rSbgcS2eKsJ7GL9qmVmUhozhNEptCDF
rHTb8dUrklRh3P9VOI3XVRiUE8TqZjpGTD8VTMmhi6qn8NncYmojpnmmpm45
SUsSOZPI5mFyOA89Lg8XZ/HwR684PHSbfR5Z9PQp0+zTTJsmZUbd2X2pGEkw
Uvgu2eh42ZqaKE+qEmG/AeBqMwlsE/jWR6TNPUxA8MYHoTaI9HQU0luaDyr
NxXE1C+YkiyG8W8d2GUhuZTtSMKwnycvQ7JXV3r0i8vtxve3kfFhc1JRJgET
zL6qrEMfWqWxV3BEwkVrcEBURcL+PWGYQmbg0k439pFh3NbG47En7G8Ls0FU
1cbGURiLAo9oTAWcDcO+WS7mDTI1HKw+Jyx36vJBXelzh+eSNGzP/i95eGKM
tSob6zhi3ShYDWRN6HKbm29gH/LdlvhSxBeK6EoGZztLhCcsD2atRT2UxCm
qZUWNtRoQGOZuzEFjdPdJXFonFmZA0UYDIPFvrJfoDgJyiQXiuP38ZzVBVNp
JtPgS2ZiwyCrKhYzmy5mNqrYvDZKwloWlliSKQmqzWAK17HekXUNIoUFol7T
eolqx2Ko+GBppnKvGOsIZBo4iq1VMVzmqzqpCCtGkR5sg3oHxg0sDI3ugP/o
JQx49+cWhFCDZYx/YnpaMNEalTGsTr2ITOsEk4ZMvW6mfMJaJpiSyNTjZtpH
THM/N5NANpe56rBGXMmmuxs1aJzpbsShPMvdiIN+TvbxXQlZR+bM9cVevk1y
2/z1XrT5gYRIcTYzpoabGYtdiyTt+miRS/LeWkGpo5ct1Mt3zF7szD9zMwel
OfaZWEes1TBjnkvkWyL57mj+3TxX7euEcelFV88nX8Ce7/rMRNnG3OImPkLM
ss3MLGsKa0Qzi3PDBetcyXokubD5OfXwwacWNI4eiBzK+LaAIDkhsZSeQUo3
fZoNiq+eZ1mSdY1663kU9H3q9DcDljz+1sXK7CZSrYD3YkdVbmYWBytJK6xA
4W+4hYrhNu9SMu/AJ/Z9DMhGLNIPn+OyGZvUL55D2XuFbHyYLUt8ulwrrSp8
/dVW4pU02qfZtc/xadaeWZYZq8mMz+IOF9xM1xLTfwimuGOXVFAzXpUTsPiB
oUHFGIKFJB70xajNUJVJYHwMFpbiCsrjaSWYm7ISNAJBFhmQbdnD1v97dbt
3cN3tXkyVaR9ptalWbT+wx70+d2Pv8VA8OTs4JNnMzv4/Fns4J6P7YOCrYOZ
8i9nkd9P8pcl+eQwU9YwW7PK47KXbXIHjhi3PGurD0QpklpkCjEJ41LBn3/+
Ju9gWyfOz05nHr2Lm2v0V1cyqpX+X9P6d3LEywQHmDY02eeTB0llockRg1pZ
PTGPytmk8pW/jFhlXWwqhc9rPYrCh8Vxl7jQ3pK0lbKa7xDtZArxH+IAykJ
IF6h4OmULwmDa2gcndvDkEtcocSwNRH0GUNTvtTnJz7CSQSXKz7CiqhyloWgE
IRRWjvWVBn0JVp6inRk1a4LvHrlgXxebGTjjnWeuUmVPhXFaAZtafHG9qAXn
VI9Sn1bOp4WFNV7z0DAmSX1XD41jE2u4CHdzut8wuSKMKypJkauHLsX3Kk4t
GqPrNi0a7FyCSkT16eBfGPd3NL3F3ei07EZ0JsWGnd5uJ6aPh5yJ5lpQ8mcf
ojptKze8vPYCXLVWvOxQbqm4OpB67pO3jQ+f4WdSKSwN+UFzyozvrMabNxxh
8X02jRbhSRW18VqULWM+6A9m93rBAIkU16fttIct+sS2bdsAg23bDIHY4mF/
VAQ/anLpLLgREXy3ln6mRbNp6VeV/qCiqz4t6luEYbftT2Q9bjj7GYzrL/5s
zVBzKjKolljLNqGsvQrq8TDFRZvL9zHqVYx2mmpnOnMxuucQZ/QsJfCOdUV
eGiMGKue5oHHUsCO1PdpBHq0dVMzZBYImR4Eq4eB5XUJe3Mlf72LC2sorDFh
TavtCvkieK7njwxN7Za7GAA97Esz4cB3lqLCqi1zFU97d/FV3XBsjJVSYOU
sYJFZyUSm75YxSTue/EdmM2Zi0NyLlzvrqA06sVPudfs8vxdvI5u12p7ndnb
Ze0GymvBYM32XPPdbvpBtKTKfUGZpU6H6usi+jqHbjlPJ0SJ16PJXfhZ1aUp
xsAgbp87szBVdTfWkwkqOIPeYPbDDR3qQfWIBVNG8XH/TvP0L6N2u2WneazY
76b9eCc7VwNaRm1/EdESVp2UUWZFK0daZuG0k6PMqotVuNP9ydzpvu6XPPva
XOk+AzfAV1rWUjmRwvGtUKkA8HtyJLTM/DUJqvseCHbi7K9KDs0uVtuY/nc
wb56mcqykRwiHH2K5682zCHCbsEEE9IOTRzrYAbaDxF6bZS4dYig0yFCnlAE
rikavbXVNNjf4smBxl7D4GzRRocI7JABXwkSk3WloGtV7fR2tw1FuugQoZ0f
ImTk3zc72GE90A66ae/vMPMvY6P+B6JFsh4CPL/DzM2MQ4tNO3huLqhg5wKO
3FyQLTexMeLOzQU8Yee4GzFh5w1TeDly71bHc0Ht6d1yAgUwZ6BST6ePy4kw
4gF7RXypw2E+tp3NPeuiMHVmZPpmosIWMmaflrKWO+u389chec5irRelh9ZD
7hkeeuwV7xcrYSdVd1UjUKTayYGdpQXe9ORi6KK7CNTlD1vSbfzVUmAPdAR7
COOiOmLoliQDGmyLP755BPNRQeAUfpr7C7y4FwBjjY56kFJSF/SAsgAeKQcW
I9XnWYrUp+zUL5G6xEatarBRv0BqhY16jY3KzHmtUOJmo73vbYaFPPA5uVWs
ggvF6aVTcf+Rnjz1E0fsXvPY5Z4lube/tdxqlKueYhPS5y8xxJwjiqLtTzDY

WRU/v9xksOB+FFigxCyJzgorAp9Bb7YyNGUUjainS3IPF+fu6Qeunj619+T0
si52JWzOYdwZDz8GQs1yvIIAS0+WhGFRYxWRYL9JaJmk4zB/ISwzaB0/Dusi
v0/gWm0NM+e+blnn0LnmOzSjZRsbSiXoZtiv4/7NF9OnVRiinMdNHxPWSHgc
bQr6w3l/zZQJV0e9jLdPdCTe7/3A2VFvWO4N+RKujqzND+sIBn9XGLYA+MOs
qLoBNuYSzIDGjfezcQtxexQKc2kpNsr38/d0UXR/K2792CxxFnnVmvVTHQHAn
K0qHvIBk52vwoJ6FLUtlSSahbW2zy+BMZqCMYZcxUMYAmeqxUF5VkJAm7yQQ5
ikkThaRBklFhs84i4a0SCzaidegTVHMbsFczJwpZThQHFZikE2oj6q4EY4yV
61h1DbXahj0sEAmjkhqT3LYU2pYC29gzBMjL/EOD8Hw/YdqaQFKC25pkpD0u
kjtPTZsayXiwg268fBSjPVVnMiPh9tAjfCylQpJ7eHh+4Rwen0iOgZgw1nJh
2LgtLHRLv/G4UzrukBa/06gwDj+OKVel+mYJfQn171ag6YtWkN3Zhvf1j+ed
SJa4LPjYbX/HJu58Ql2Sr78PtusdTrQtzv5OSsNMJyZMTQKmJjdMvzvdhGni
ptwwLXd1+xe3m8eah4HpApd0LAdMZ28xYWpotmAKUNgCOcO2tzUvTLtanRYM
ue2f3GzBlk+/K1vzwnSJq78/jwimFgFTixumKR4TptubcsN0eLOz20G3m7Ob
hoFprUvayAHTqs0mTAOqBdMqCtuqnGEr2pwXpq8ec1rwkdv+O1ULpnz9bXks
L0wbXf39aUQwtQqYWt0wrRlnwtS1MTdMZ7u6/dDt5sMbh4Hp2KNO6WgOmF5/
1ITpso0WTGsobGtyhu2mR/PCdL3Lgg/c9ncHLZjy9XeyJS9MH7Q4+3t/RDBt
FTBtdcN0tNCEaVowN0yrXN2ecLsZaRwGptku6UgOmM5rMWFqabRgqqGw1eQM
26uP5IVp7yNOC95z21/WaMGUr79rHskL05Wu/gZGBNN2AdN2N0x/NdaE6V8f
zg3T65uc3YbdbI7+8DAwPeyS1nPA9G+bTJgGH7JgupvCdnfOsHk35YWpyGXB
cbf99zxkwZSvv53NeWHA0uzs790RwbRTwLTTDdN9BSZM/9mQG6bzXN2G3G4+
1jAMTJEmp7SWA6a+JhOmRQ0WTGspsbGtzhu22prww3eSy4B23/W/XWzDI6++U
mhemk6qzv/8aDqYFQUUP8F8071N5fVWBUjs1xQNFmvHLMYhS33G5T1/Xj4Ud
/51TDxeDL3r/9nNuGftXF0oPIgbMMuMnKj9Si1q13A9FWxJ/oV1Fn3ISf+Ea
tyrLiYlpVe0x5tNDYVCOqHKEvX3C98JnheSU7QxOn7/mBJ6AGKFIhfCZcfCw
sk4aQXm+eWNeVBs3OqPc70Q1ZaQ2jKSnCzfmxfM8V09/HA7PmUHF/IX6e0EH
nmE/1loxtbGeBmRM3VAvBqSuRKfuN/ZLiLR2XNb0dTq+g6NYciweCgosMNp2
ys2CkgAotCr6IBMIJVTXMSPxIMUhy1syOeh07Fhux2ynZ014evZGLJ0Wp2d0
HrarbCL+/t5xnja3k8EvntmxV6ruSKlx+DJQzovIXoueUs13b3b+OcbG7Pyc
vsSoHpZ+g3FtNvrBZXhixvqrTge++5bkXbEL/JQqVgRn4HddzBuELCc1hnH7
GkkKtEOzcVEjHwoxfjJZty4m1Uxmp7F4ABczLicso3h2ids8id7YxukfJqTT
qhyHeWdFkP7XLslo28XsOfdtzt0PxubhlN3c+Q3qKAarPJUqPRIH11r/ekPx
pCdrGLHaY2yYANKMBcP0DDz+QU4VqFuwpXvMzZDugevOKvA2K1HjnCljgl0
z5W8zXK0ghTpoMim4a15TAMKzC/CE0uS7je0QiKMDaRRWumvzCa92ZTuN74E
gcCVJN1IPMGkCwOXzQnpX9fSbNI+U7rLOITSc0i63fhHJI0UeP0ytLw9q+VT
TOI24z6Unk7Su43zmPS4wKrL0fLdWS0PzRXSu42rULqUpFuNyFginBY4+wq0
vDWr5U+a0q1GGgQCxSRdbzzNpD2Bw1ei5fVZLfeb0vXGEZSWULq5BjLJWM4U
nB5Y/rcSb8tq/3eEDiZ2L6pJeFHNCnw+l6k5l+ApBzVbsC2rI29fKtSQ2FxU
Y5CaG/D5j2OIgZg30JQ04BtWT1STTUkFgOxQITULMbnJqamOFC+WOJtWZ1a
bKohsV+hmn5SMw+fZaamJPB9GZ2al8up/75EqCGxm1BNF6mZjs/fFB5PMuu
hum5nDpgqiGxKaimndRMwudXmZoJLM2oLatTq001JNYHYoHdpKYQn9cwNV6W
b1sKczk101RDYkFU00pqEjhfXMjUnMUSrwHbsjp1Yo5QQ2KLUE09qYniMxZ0
QJ7I0w/bsjr1hKmGxL4GsUANqenH5yeZmv/h7frjo6iSfM9kgg00JoHw6wB/
sqcQPFGEBCMeCTKKP/IxiWQVcRFd1IHDE9mA3h6R4CA6jLPqQzX7pyuswV/7
A07wVldx8wuCLu6GEBA14CijvjBRsxqXCANzVfVev3493T1Jdjn9A9P9qr6v
3o+uqlDV3TNYbD+85zioayUMsaEyDi4gmEa8ns1h8sX2a3QbIF/CENsdGuLO
0sz3k261KGczkRFINhX5ulpNNhXr9FdFsmmGn2v4ZJMWZ5gP0svY4PvIRJRy
e5BkL/o1TU3EhCgzBJ6vwdMdkfOFK5JUGNG4ivvClit20y6DH1tA9uoZJtm7s
M4GeTqRMDx32mG+2mfYNBrTSYk+TkSK/RLXYG8VesncGpFklld/nzp/zJgCk

hlxP7oVPQTDx0RXTU+U+LnZWM83Nj6C/+2sri7B9lo4mNDLDV8pJsM9Zvujs
vFQ5e2UwTovfAQZrp0p12aMyHra2WiwE2kqYXy+G10vHOI1vkSfKZ0DE4CWR
Mv5ZelaJv4xSYf1J6mKsKRlZlyZvtiGvYMPTzpWcQkdRZh2zNRTY085zKec
DyBFfB22SDnvolx1DyLH1cF7UPj9pXJ/mDL6ytnrJrNu9ZfYDSuN+XJivM+x
V4u8oXaPEDnEPOIS12fmd5M34i7vS/c6re9Mp/Xd8GQ7qgGQKI9vn1K+Flxi
c9NBh/9FHeZb/VeD328dH7/yIbJbTSbH9ZT9I7GuKkM9OAGNsvSexr/IY85R
VJmjz/KsTPb+SXv4tGXZ7Y9xHcZRplboK7Lbq0mF6VkBVCMFxfqKHClbQUAP
422xh/nNwp1VE9RbBXWlyqUvq04llgUKkB3LUZ6Egh6fBKkfDY+WKjC7Cc2P
hoG9n03q1O+h4j568v1O+1F5midI9evcPt7WvtbSfp6lHfzzUpt/HuoYDsd5
UeuF7zeh13wNty50nIKtg7c6jqZS0Y04jWQCkcZwJDGwSRq2t32L/r2eboYc
1rO39ggV1r5sxQSI7w8YT3XvxrMSrEraeB5SxjOfzjfW8fh7Hg/0v7I3/adO
yP7Xiv6nKf3HTtj7f6i7x/6lfveBJlry3O3f1kBPX0KHffTNJPKsf3iHtqn
Hdk/srYos3634PWRftbEt+6vzXmqLIJn43GkL+ojPcf/Ra/pi/plz/Gf6TV9
UR/pOf7TvaYvykz/Q2SAp7D0Eth+nfHxvy9TqYLOuhPeyl55EYtTZcVn73j5
E+55qt0oLnKRB554ogEmnW/zhvT29bw9VODjk7IEidEObDd/Q49KKOYB3wZN
QRmbfDf3Rs2OFfpVKRt9v0z0d9np9y13o++tfvOXGW42nk8EkPX5plBOZ6hK
11bkYvgFuDpT5frUgH7vKRNr218kQFgWvXCWP+dnT1BPnSBowQx/qDu3CiTt
jJT5Q/W5YfzEBfgd/7hcxlC6qTQ/CeShn/q0ygsQhry2TuFQILGkzs0f3cLS
vZKuMvbhMj5s7CYZnuHDHir0cBIYyU5y8gdTn74dXpSsqUhHjafUmDitP/cX
YR4GwDTDBI8lt8bmOy425BEsalsd9Z0/V0sh089d3q0nCPVCi8sLrscoXZr3
En9YmHSdt+6Y6bW5uFzf73LQ92D0OyIIHbg7z51vRrQCHcbGxeFRM+YRmgKd
2BylgnlUh1p+m6BjH/2N+0EG3Trcgm7q87I5svF83pbo8fmk6SSvs5R9RpOA
o2Z+5dmz0oemaJWjcWKAplgv8NZ1e7kKKWe3ezi/fMEGEzglXWwTgBUG9J8s
xotyGAhVO3bxnrsl+T0sWe02R1EW28LkQtM6TqYstpEgAzGcaXTkCaqP8R
fM/kSh/ehnt61PcoUIaLdfv8kPyG98sfto1cf6iel5UeaM46jMdp9DQLmuuO
eiP1ERlvjdnWwww2wLU/vC58a6clu9L6WSKtvA4sl14/Yz5j33UkRnD/uaOc
naHRiBdpmEdYihzGot80by4XF+e3yq9VDgaUuhifQXYK5xPnZ5j/CLq9yVVV
/mpoWT7IGDk7yAkTU0iGlrryRf33PzLYAzqmK1rSza7SSFPRtlYH4lrAl+7F
lrK0rWHMF+rE2IPqWBA41m7na1GWqsdKialjuw/bbfsVVR/GDWgWE4OgPwx5
u1ATE5xUILk8cJQv5Uf5dlH4+n3r5K+tqtJpuvJo+bZw9PYHaOVgkgel6NWR
aD6frQoWLeigo7IHScsbYDBjqKg7tWUX0XTfxDFK2TpDVP76U0w814hwjDt9
ibN5UiriDXvo3cU2heZdommz6AAzX8Hnf0w33cL54hNwNZ8AmJ5QVVJblKOD
OD87bc5ov4xqCnTIA2w00MU31Doigz3EQIVdnmXZMLbEXTQk/wk+Cz4+C6iY
+JtcDE5L9HoX3ImHddBvqO8T/dG41HvCaCrivGgyC79pFledBQe4worOZadS
KlnWdgAelSri4bzETIM+WK/cPQ7P2wTjeWvGJyJn9YXoawSalyXNkVK9oMwH
z2xhhT/nPp0May4uDsxwM2iYAthB3V4SvpliVyh2YcC/fCG/UY4wpKT8dR97
+UXB22Xsgn7C+CAIPFTR/AfxRZJSH69b58Txgno+iRdy6ii9XMOZHuzAJLqX
WCruFtAnEqhPdpZAp7v8ZtR3H/wRLvbxLkt5P7AMG7MFbTO5/R2k/ZCQ48b5
CHmf/TLuex7OQ0kze+tbVMT7lxX7YXqWg0uwPxzYleiH9q9kF9zNqtgVrmiN
BFpL2b1J8bpUjD7H1SY/shUTVqsZFfVwLkw4Alu2M4z7FN+UQjvbVsquMhob
lyWN9KJWmzm9MJIPfKK9NhKoBebEWP5Fm1g5K/VyAwCS4DsATDtG75eReqy8
w7SOxyQMCMFEwy0iM5uzSi6jkSBNvJVWgE86ltL86U7qNh0fUH6p7lfbrJl
3gQ4Sf6sQC4VH/gLS5KVp9OXw/xr9QdBW+q013XpfiTeT9OYaXi+ibWJOBA5
CwP5lfh3CQUicumJ0mF5lp1CbINiUoQ+CFZ5HrTnvAkayp/zpl64m3hGOHTb
LN8f2GX9z7AP2GMVjB7VPr6amU9vYXbSslz47Eh4FkN1HgZ12vD5C6BVZ0NL
zptemAiQqbC+EnQ7XGv8uqA+oSdeh54KAvkWfQX9y6/Q6DSPfMhdIEUBGfes
+sJA191FEYzL5tF8d9NwQVVUdJMo6pdsuMEoyZAiA5s+cRodEEDqZGJzJDDc
xV6VsQ0XcdUsTeOIWbQPHewFWPYNzaTsukNV3dqy8yID80G3lgVn53lylwOH

w9+plaMoaZkacib8f5EnNWQW3q3AqStPV8WVoE6TCW/iJaHf0DdhY6Q8xrMD
QqZoL+eqMpE8Z0YoppWzScdZG9IGwhUM2U9WqZvmo2vpmZGBdAM2ErVkgbNE
f0Df7fM8Yt70pVPh/xNbjsD8wePvgZ5xCTd50dPPADAaADa0wkUdA+t2D/++
EDxK0fxZoOlxfatT6UxB/gHYaSL0RERGB3cu+jYQJ148U01OU/P4r3QD/Bf
Lef+ECkctC1gTALxUC3smfiqqng13F95PWpEdvcRq2mOgUEldR+qYlol2OIY
N84D8MN+JAB1mxWIP4tzJ/fAM2Tc9ERxYh1+fIZt4p8aInkiA3G8WWCa6Q9j
UjrDNP1Swd/IleS+M9Z35gSH9b3T47S+ZaqzGgVHdMoEy3mYWLsucMCb7own
zlfkF8M1elB++pQsbil4aoThX1BG9/pJk6GhHJBoA44fNSj8iv8sYk0Y+8Qa
kltVtYn0a6naX8zpf4/klir9PO+ON8YZTxnn3eROGfUPilfvEYiiAsC5kk7k
YJa9qdlp1gOcl97vrHi29nM9ajv4I2fa/ZEy7o1E0DR0mL6qMcGw1UP1PvoU
BShyf+Ug6fSvvZ775K38LEAOQW4Zu1Yxdg/cZj8LmPoU5JlweU5ep2jPA1H
TXmO3NqDPEUZ5NGt8vhD7aCt/Vle3llwYqH90QHnfSHNPi4Nfb0DVmSSIs1C
d2lInnT7CzvFdr61vDuvxMeuyKV9mYv7crz1ZGnhd6KfkJEe9nww001LN9Jm
e6h2vrP9hvm9xTa/oY4x4AjLhwC8nwnfUpLv7mClkJL5y0fyrMljzs3sXzVy
CcOrajTpTIE9zcepVHCBKI957SMZtY5WtBLfZiPvBZWvIR0EUu6weCfW0sas
rfPFRmPrTp7ldpoudb6KdOf5UNcvLXsl2xd5EQE0fTJVvniRR7IAKWJz5TI4
0C9R6Zcg/e8CKj2sx/TWjPVOvM6peSYuSM7qr7H2yKhcuJfMlgrWLXHSfZT+
5393XA6d0Z/h4uuVNV0KnLKEaUjMukac9WEFZqMCc6OyZAUiy9Qy/elDgvES
TKMBM0uBmafAzJcwjSwOnLKo6QEOk0UwWw0YjwizTIFZIGG2sqcRhgpYSmpY
EYfxEUyNAfP74yZM82USZtWD6lasYdci0hhR6fTXg4SUTUiPG0hLfkQ1JlJx
UMI8zvwIQ6UwJavZJg7Tj2BWGzBjFZjpikAPqQKtZvXAzEuveB3TLRwMYzfR
J/COgfde0sT7MmCKtdgA4/xLEa/GrIMaxPF0wlug4IUVvGdMvFWPKPJxiDMQ
kuq7eHHTHw4QZH+CnK1ATIYgr1ZEXCLxiP/PwC8qd6jK6U6ON4DwZip4nx4z
8ZlZTREfV0UkiBUlyYvlqOJpFlc8ISAvViAfUyBfNCGLKyUe8Y9HvNVmxdSu
NsLzE94YBe9SBW+OlukTqogE8R5AiAl1KoP6Nw45kCDzFcjOoyZkP0XEeyQe
8YcRr9lsoxrL8U4jPJ+Ct17B+99LTRGfUkUkiMklycySqn0fEGQOQeldA7JE
gfyxCVm8QuIR/6cfoL0wa6vWcLxcwosreMe/NfEGKyKuV0UkiMcQMmbWWU3k
kHkE2apAvqRA1s4wlatVSIloQshWs+Yq9j5BDiLIRgXyOgXyDgVytQpJEJ8D
hKhIve/XGv5XW88LsZqqN4trZ4PYYLFPFG/GBmt+afmN5OVb80tgb+bY7A2A
dGKuRcO62CYj4NyJJWM/j9MwUWq4w74sV92ldJOaWZ5P5zrIY+S7+AcE7Pk7
kPcVd3lr2knebEpe2WYhRiVuPiH+Dfwyiy6nUXwaLr10OYFN45ceuhzDzueX
HGo4O91cMBq6Zhu66o/JfAgYJ+3vyYccGcD5jfM9OKwzz06LNwzW3OIN1vNT
IX1N03Z+AtE2nLDlly+7wW19gD7PYbmV9tSQVlv0ndopvUDcvlo+OMSTy7Zu
wyp6uAwuWablstG8Y4Xg0HFBkM7eORRat3/P+CT+JmQ/OEdhJ4IFBn06ewxr
+ld+32D/AtmfUdmJYPswQfDq6jzxcX3lPYAFKGD9G0JAuX9jlv88C0RPm+9X
H89T6+3/aNvP1nr7Y0Xg4qE+YL+n093/d73923v7UG8/p8Sx3n5QTC09fOwm
ZosHS9Tbjzqs1Ns/tzeVwocwWPS0e739zdlG7Xecbd+rOKtBzp0VvOdp93r7
cyR3K3tgr+KjjuPcvuDmp93r7T/xGdyN7lq9imva0Urc2cF1v3Cvt39ecm9l
p+6VfmQN+y3n7hf8wXr3evuFkruGvdNqOH3gSy7h3KcE4xvc6+0LJPfj7OFW
wx8D//Eizq0HI8+619t/nmVwr2ZlrdJVlofXl3sloH/woo0Z6+1fNDA424BW
6c6Qk/gShxkQfO+5jPX2t0gYYmvYI10O8g1/zGFODVa/kLHefqSElbyYVe6Rb
QP7gKA7jD+b9KmO9favXgCG2SXukK0Bu4N4WghkYPPKrijPX2UQIDbF+0GMcV
7vr9jMOcxneXe739ZRKG2J5vMQ4Z3OO7nMPk8G3mXm+f8ljq7ee3yBMBeXka
h8nl+8293v5VCUNsl1qk107O3Wu7CSaPbzz3evu7JAyxtexWnjU5dEs5zCCx
/Vzr7cdJGGKL7JbelZlxBRxmsNh+rvX2hzRLvf3M3dJDJcct3kww+WL7udbb
PyVhiO14s+ILZa635/GN46Rkk02e9Yd7rn8imgz1TzWHZf3TE/IW/4WqgwpE
I4MzzdSAXjVSSIH3fB4UxB/WTW/UIq9zfdNfyzL4Ezfb6Xc40YN96rDZJ0u9
zJFp1noZPIBZL4OviTrXy9y706yXadF6Wy8j5C/eicunR30PKiQVav3K9Hyl

fuU/2tztV9ZoDvUrZw0TXmQX2/HNSa5feUUMzKI+BeZb29dzfUr5jDTPxFKf
OurlYxVx+pSvr1F96cz1KbcfoGityCdgtPt9Jvu8+n3+GGGTv8vIncWpLPn/g
ULrnmM/PM6awF/n8JzyCthf5/Kmf0oIA5vO/fa/X+fx5RWLNY5ny+ToXxjmf
X2g0uuTz/6iJdns+PzefPxBGPr/5uBnErylxyed/MFg8Rc2s+quTks+nfNzW
fOM8puR5HibZ0/NnRL/aiX6lI70tf3ePoawNPGC92AnvGme8nvJftvbPemi/
zqO2Y1pVD9XCrsCfGyss8f/kNFrJOtpnvsRHafJg/sv+/P7N+aYbSBhbvulQ
nqlrHrjKrmus+a+TKM/bmqM81yryHLmyB3mKMsjTt/zXNCFNWv5re64pzUJ3
aYQ9o7LfRT6WitMDZ9QhDKLohZ+XnCXXd+ZkUUXaeObYxhPqyMdPXst8U4wN
L6Z80/RgjTgkrmpKyzfF2IIP0OTGbPmm55p6yhsp4+k5n5M7Qw7Bgd6ez/ms
IJ3eJBhvTS3JdplLo/w9/gHOQpsoSdP7KdYrDBFqzzdfCRI27wj5JKkchO5
srVEZ8M+oYAE6jK+HtPf7UW+af44nm86pOabOrY75Ztui5sBzxXnwzh4wNOS
b/LuUI7wG7c75ZvOUGAmKTbqvun17cpZft52p3zT/kMmzBfjTRg131S5XTnU
D9vulG96VIF5XoFR803nb0+Z+abmRqd805UKzHwTJj3fdKgxZeab1jQ65Zs0
BWmolpCab3qqMWXmm6Y3OuWbXvvYhPlzgSIQWr6pvDFlyTd91eCSb1qo4K00
8dLzTd7GICXf9MsGI3zTCAXvAkW+RxT5OMSmhpQl33RNgo+acdHJmTbOFPE
tHzTTQ0pS74pVe+Sb1qu4D1k4jnkM/wNKUu+6df1LvmmcxTlqYqlafmmN+pT
lnzTjfUu+aY9ZjiOtY81RbTnmxbWpyz5pv71LvmmagVynQmZnm8aUZ+y5Jte
q3PJN01Q8C5TRLTnm3bUpSz5ptvqXPJNBz40lb8+zxQxLd+0vC5lyTcNrXPJ
N0UVvGdNPld80zl1KUu+qaHWJd90iQJZqkBWq5AE0VybsuSbltS65Js+O2hC
Hj/XhLTnm6pqzXwT1l78nfmlofwMaM8v2eyLzNdgHLjJkl/CX31pMpMsD09R
3RHVF0mTZxWzXQ/WFDvII+MfL4j4yAuf2OPzmy3x+X+3yW+Nz8+F3bpoMRtd
rFmPwPbgPKjpPgXnef8tDv3PDpesN/2l9axlkmMYPsJDGutxZq/xiBh8xfom
bxwD8G3CjH/vTRGA/5ff2ALwnPfQ50RB0ffLgTrYLEz34W0i+k6s1ug7Z31B
srYyP7LuFOZ60zYReidWa+ids94hWRvZbqAO1goTXbINxN25wFvtAl8kWbey
dcj6qgi6T90mgu5c4Bq7wEc6DNYaNnebuRsD622+pNxPPD63jWY/2eQJJnqO
zxFNhvj4c4oSMz31jkCj7/X9Stv2+7p/d9jvm9+z0tznRY3zNYb8p8bX/HGuN
r3FBZXYnm5RObE6Lr53+ihlf83r6El+z5FOH+cQZPsne+Nh8dtPo3b7P4fl+
mfct93ic4/tkj2YJKbrY5l+/w3icsZ67t6CCdHyfTNvfc7zul/+Upqws8bq4
U7zuzg4zwHLpNFUtq/E6jMc59f/dx+Pu7FM87i6HeFwVv+cYj3u0D/G4T/oQ
j3uxxRqPW7ij1/G4P40XaxrLFI+7PIM87vUe4nEjjXZ7PK5a4w+EEY8rOmXu
l/xLXOJxVwkmGGjnwZMUj4PdPYbEVOojtuymWXWoj6B4XJdm0CtXrS/ppIP9
u/PLxwpeTR/wOuN7T2oWe+BWX7/cpb6ej9+pf+d45MRa5UZFL+KDafqKvVrA
N7ebvjoJ9fF2ffl3x+MWjaUNZ6tHV4LHt3/frtus8cGTKM/75znKM1GR593J
PchTIEGevsUhrxbSpMUHNyZNaa5wl8aQp8omj/BXwU8dMZyHkX4Aiyz9z41b
rGEkoDu7hTuurHak9rfeGj1q3KK4oLdvsUaPgCm+W3Af/wfBrQaN1mxRvNCx
W6xBI2B6zuD+g8GtxopmbVEc0cTL1lgRMAUN7IUGtxoiGrBF8UV/8711RARM
4wzuSw1uM55Tw3a97BbZbJDPm/v5bPnFzv7ez+37xzifxe3ns2+s9X/jens+
+8rmf3460UEei9qwSXCO34fp0GWUwXmt4zV3xM6hv/E88zfE1o8ihxx/ptA
R7GV5Zm/CTRxtNkqOyfQM3HcMKq3QKeVRkExEbPyEzXGz9JUpP9UDMPh089B
Wn8qJklv4smfimEHAsz+UzExzhxXfiomRr/82IVfvhA/cwJiXTBc/MRT5/+x
96zhURTZ9iQTGHAGlSYQETFAAuEhRkVBARMw4wYug0kkyNPLfmDMRdxFd/JS
HkkmcRkGWO4nrojckwjXzV6Q5X4EGVQ0PDRZjBLdolNEN3CjKUhcBg0QlaZv
nVPVXd09M5mgfvvnOl+qU49Tp6rOOV1dXXX6HPTwAq/sOg8vXXiFUVyjQOhs
iumPQey907UG0Bldt3DbfKrrlnayawAuhhn+bMXMGOBHD5LtmcbpWmD6xVF
HnKo4GSgJyj3dTIQGgov1Pr3uepfpxB/aCvKwO/DZ05W95TgKojUWfEUy2Fte
162WDiazlrqwt7wnWd/SZakLe8vX59CGJEIBzZyPNzR7STKYCd/FKwc0c/79
7frabbrawsz5OfbJleCbr+DrhkOb0ttDMqjA0IPvjP1vGSGpZs5DtRd9e0g2
9TS092232LROYdM6l5s0Dm2mjAjOpo1j9c1eNA7TPKILNmUZavuCsGnqWJVN

lcMFm3KRbMEDzJy+LSSb6m7T9+CCsf9pwwWbQrX3xG0h2bTI0F73/A5tVNi0
0cimARaVTVsSg7Pp3Bh9s98Yh7kwsQs27TLUbg3CpPfHqGzqkyjYtAzJFtZb
zLgxldk00tCDFmP//yNBsCIUe8dGh2TTwdH69s53i02bFDZtMrJJ49Dmu2HB
2TTV0Kyf36E3hnXBjRohNgnCprZRKptyhgk2LUeyBXcws35USDaVjtL3oNnY
/8tDBZtCtXfLqJBsija01z2/Q5sVNm02sknj0GbG0OBsenmkvtmvjMOMHNoF
mxYaajcFYZN9pMqmd4cINoVyMPN1Ukg2nU7S9+B/jf1/alhgU6j28pNCsukJ
Q3tnu8WmrQqbthrzPhFo81/xwdnUNkLf7BnjMHPju2DTG4bajUHY9NoIIU1x
8YJNhUi24A5mUkaEZNM4Qw/+bux/xa2CTaHaOzE8JJuODde31z2/Q9sUNm0z
sknj0KZzcHA22Q3NfmEc5uHBXBap0IC7IQib5ESVTU8NFmxagWQL7mBmc2Jl
Nq1P1PfgtLH/psGCTaHaS0oMyaZbDO193hWbtA5tvkzgb4E6hzYfvQxbu6Ed
2mxIYD3zd2jzDMOrc2gzT8nryqHNFAUIHNoswcRPdWjzwiCpG689R4aF5OqB
YXoqe/Vc7SCju9XSnGEh+Wk3tPRZV/zUOrTpO0zHz5AOBZpewk38wA5t9g9V
eGF0aPMHpSSwQ5thNyMdAji0cQzVD+xU8IFpPmRzxJmiyPflGoc2Yj8m7gLB
j5neS5LE8XmQ/RgZLj7NfkxDb0nsx3RCaZtmP2bHDAJUvx8zx2Xfvd72tsu2
123f7Z62wJ292z11AVL21MK33bbd7vRFmLeI51Vh3hLMW8LzjpHHNgP5K07b
Kk4trEGIXIRg7xPkwSEwW1bmdtA+5UrRYDpwAhLS4rJ5/MC5IFmjYXgeSuVJ
CEup48mUY1MxYXZnVzqPmHJc2bU51baPTBJimYNY5vBu1eXgrpHbtjeDXPo1
KseCl3OvkZcV8Vpe4qy+myTdJMEeS0cm36DirAUE9UYEjwdC0BwHCLl7snAL
RiClodOFecHwQAheQwSwRdZuRNBORPDVrQEQPbanDOGKEUGDEchoQAgs1CF0
sTGIEe9CEO+BToO/Jj59ybF1jSjQwtAumllCPwbVqVaeVW3yXtCc7Gdzc7rw
OK6WsljG4YgSnnyKYmw/Zqi+H7QS7bL5QPvDJ7FOqvcOCr7d4kq3orlMK559
dbinWeTYGtox2PVTt/diMnKTUEprMZQG2PCyxVHSxigHusrxHTtHF7aR8NAm
RITCux12osoN0GiAwfoZO+JlwDEZ2IMblzQc3xyJ6i50jAotiJGuGbq6mUiH
nh5o6Ee7VXXBj6+6/MdXLQtWlZnaNfAkze2DLJhs5ayMcGZxVyWjP+nSweDN
MYq8vMoRqQCgrGXNcmvsdAWrPwPqVwWsP0dbf6mce9Drf64zyGVvzN0czWyW
LY2Hw5nxYTCdNrtDS67Vz2D9rKjPC14bG6BRgc14tmCcqbjewm1uZ1FFslx
kxCURnoPgMm1qRYmVv7W6/WDQy2R6VagYYYVTHbFBYKBH1SCAaqDEQrvxqlW
aDpJxwi9wsbOA7TvdEhvn4laEXBUUzHZcONoLYvJsZ5GZqtls7hXbCb2opMI
Wkhsh7XsRio599raV46kcoVqKfSpJQnle1Ad587P4TRAjm45bJBQhfdybKVx
RhmkmC/Ylj97br8jw4OTmXwF45A3COEQkqGZYlfAFHtgPTrFivmV1F31P/+5
ib0YKNMp18+x6P0BWZ2HTXjyKLIDjW6PVo4ze9Exo/IGYNdEm3VIP+Yag6bW
2i1rrGEtX1lxohAwF2dYsNACHxnp5vfT+skS8xKk07DPRntefFUJU5aFialB
/xE/dzTo96cLpbv+2xWtpGyDvKAAe1L0voo95X9fWUH9xU7I2nCNXh8BKxRx
ZsVGBQEbf3MigULAhYsroYr9i0I2LdoCVesXxA4vGtgyQhMzilfhsP6g1QX
F9MOMlgT1SZmQ6OV3bZWtMDokxxwTAQfGsTgOaAZDsrgEJmSv7WICZCkLuKd
rJ6yhNUI1VOXYQxKI/NSfKo64AXC3uqChRXBp52iNYwFfve3+tLr9EBXpciy
UsTWVI2CaUlotuInFIIXa1/B89Q2oNx/bhDxoRFQpR2r4G0jqjiVkkmT2wQ
8QtmaNLCIMPgFstlUhw7Mj4mBeDjIDrHe+GeX29vJlc2iXNue6PQPbQ6oADV
TKGA5CuoGHqhrzmvwhe4vhVwB/4b5iWQLJpHnxSgYMeAnnqP3qrJqIDQsB50
chjcwDCuhgfJdNwY4CVRgMHudU1ZxDNWrwftHK9r6jlmryobHIUnMDrliaEG
6X2+O4MM0w8ymZRsNw5yEnlyu26QyWTdsQCDnETuNmKGOQvtY/OS0dv5IJfw
jC3r+CCXBx2kZj4rhvmsuTDQfNZP4i9CGT71RUi3ntzL15OSQwBo5gs7mJSc
mGlXJCgzM2ivfdCDPR5xUUBvM9hGmW5uieUw5ObPUB47yKv89tBrIAn81XhT
wJJ1ClvPgrsli8Q67TbqCwTtz8QQ/XF/yvuTZQ7SHyoyGX4ik+IsTVD0Aang
eClzeOsLIUWbOgcrVi9oipEDEawPFCbT7DxiBhU4UOKzuvuhRo0e3kks+Hwl
PqzGtKRaxWHnopjok7hX4JnW6FzZKDI60/XFx2dc9npYk9ejQGTXu7IbUBdu
dQTfFiFolbxJXcoQvjTxxgbbn1kzLlSdKBfamtiyoCmLSLzbYGGQWbbWjNqCX
Kb/R/i1XKta6QYWvqWWkG3VfSCaJ9aC+DVO+I/T18ljQv/lrtMYIkZf0PokM

8JLDLhohpw+wmjRj2wGEACO1/ZDETS5YZ9KxEVRP9YKzC6M+nf/3cZR/iwLx
75+vz5li5gztlj7nRdTP1etzvu5FLcDA31dz7N3R59wfmG7oc95qkKvz/nS
1m7rc3aGqftyXehzJoVzOQqkzzIRKTWWJ+zJYyXV/npc27cz0RJ0eeE700U
IUyLCqLPOZ9XogON3/+z6HNS+Vv+0+aPAAtOPmj+SFfVhw/zh3dLN+YPZTw41
f5wzBZk/qQSu54+9SkX/+ePkPv38sf8dwTpXX938cbYozx8l5TB/vLxPnT8W
7ftZ5g+n+r3wiYof871wMH8dJVtxy8zPX4efPm36Sd33Paifaz6JITO6oR+L
RfX1AeC7+b1+Tb1/+2WB8P1c3+tfX7mbaaQORt1QM+qGRjnP01k5CmZtvEmi
Wj6ncVW/WKP7OwNRCbVqY/mkv+nVro3lY/zr+9EvSSMRgcot+nLxAkvGlnbz
GngfhDf+KPEkGKbSQDflcHpp10eM/58E4FdkMP5blSdcB7g96ECV2w4g6xFG
Vm4eAe6CVfRNGPbB4S5o+RtQ/CsDPth3CbDkHuOy17BZplbc06KuuGkS3tky
KedqnldjSMsl9i0TJuNJA0uGYXIM+ZAlwzE5gbzDknSCrKIOTWMzRE21aTOs
X7NrnEdi6Lhr3OlRmeBFZntP2loGfVjDjQ54eXqmFucTkTGyhGasB7v6F3DB
E4Oo4gWqBvJ1YFS3G1F9WYyo6jNJEONVbatj73zgPhfHO/EFrIOj+0uxiN91
BUhUy173ajM4Ofqo0BNISbGIR1zRfPVVE+B9IDLF5/9QUpRmgWBcKRhflieQ
ptcVuvugNydfV7jig268z5IMOYceF2nYfviOVlvF4rt6YyD5YL6AWAt2XcO
dkciy3rAYyq7FkQU9JEscIYuLXZNSaOZzmfS5LzY3J2aDUn6unXuJOC11Tqr
xjBs2bXuqWmU0G2kAZb/rVZ3rTuKPGqyzK5MszvVgg/uWujquuNINlynrkbU
0MfPc7iUioMGj0zgz7pad2ZaFjDb1SXKeHKvijKefLMKUdZlkt9xlCw/+3nR
7DSI59ZphmQVGtJi/0DdpE3LhNeV78rZ517qDtgK7esZBdiN5HT0w+1/vBe0
WBkLFrjSlW57JXD0gVW4UcZTefgxGcFUDbMBZfghRwfe+R3sGzj4oi67Y2I2
iXRelth7GbCyksZGzu11Z++Fzu2VMxz4+G+lywW3rZLeNe7sSm4VfhxbiciR
ZXtgWljZRGm7EVljBqBqqWEbk2zHD/ZkYfuuQc5KpYNbBV6gojA5y2XbDWdU
NLUbfDDUKBLU9PDqQCrc9l+mKhjIKgSph2UHqP/Ww/lkK1e6UbAiZqkphxXn
QHkOAMixVjyoiTnX2gmSXQk3SPhKGLKPP+6ugVQbpuJJ8wrkFdDPh/TzoS8Z
M/qS8U3Mbot07sch+zj9+pdBhZ3u7J1Av51yRiGsrMBL3o9+E+jyybmyVnY8
5VxZJzuecOPkUEn2VWvpVgPTKqVbjZw1g9LNRldqMFXQyauKjAzXTF60xm42
Vz1dzaYTNWPIcPrITyZpxoVbzLnb8AavJCua2QJB+/CCkYBsZkC3Ybu+nW/X
L8MFj1l+3UKK2HeAlREfGxrJciOScX5INJsgZbAJcvZxrX1T0Kf238/tjep
YT8XdrGtyDYKZJ1oj3L0hSfoensM2UAJ0XIGOmKPgXeEOFiWsw+ZxPOvi/pf
/sT6bip/fvXtg8Bvl8fSdf2N11HfGqD+nu70X9mfSZ2kXxr4lad2XW63QBMd
/GiRsci4Ha1bP7npg3cnOxe6i9Z295JjK/B4g4pMb9g7j4JzkzFsOS87ltdz
/f/pZhL7DUq03+dx/4T+JAfqt3nr9fYH12vs9Fe7RsT+xOBWtAU8iEeWob9U
2hu4vSz89poFz+GNOCVZcINALYC5y6Z8eAFT6M2d7LnhD9gKGiUUsJUBRnfy
75NhrxoGht8iLw3PnWScbu3tMM/CaVBbDrznLw1XZ1xOAzmxjYLLi68tuKV
4LUJr430ysYrJy7DnOV4deC1EK8r8FqM1zK8rsHrRrxuwutmvG7Fay5el+B1
EV4X4HUWXtOg+5OPgdfGPKvsSDDLsck0a+7R3Cqal4sFjgQreZS98x4FEPIB
nT/B1fPcK970o+60BEt5VV7feyPWUOBVY+U+8N/dJwkwt5vcvVx9PDQjLyW3
WAJlgRkoSXN3AGo82spxxkvblZU7LgrUQOhlBzROfACPWOObZIM27gXwagY
Jrv7AMTs9U91TPQ9He3uW/5XR0/5Yyx2/sPccj6DO45MhBxp7qNLTXPYFvPD
7oWW2e486yPulVHll/N6OScDfqluLPT5lhwdoblDd3+Nmuk1yOzH5brYI6l
ERlrw7IEOzwT0nPhqd8JH4fmWWn++EcyHiYXqaiUXwY04XnDAaixEyuFD6ET
EVhT7KfgtiBumJlSvvoCD3luJ45DjoyBfq9IsJjybnROBnAprzdjjNQIPsnm
4D0B3yuSWyn6uUc9SRelqHMQ19xf3ArJ8TZZPsricAgx+zmahCPfH57FSD1p
Y5FjpIVFKsIZfItJTrHIJLHImWkGiPMjNBbLL4E4n9hcbTds4PF0ejOiyyO
BnPcLi6WblazOFqp+R2Lo3mZx1kcTcPMZ3G06fIQi6MxlgdYHK2ojle4JwOG
H/+Dbvi1MMg4KKbrMXxSRpZZ2IRBTFgr7lta63yHUGvgYtMB4T+GbE86wL+p
g/cEht+O8IUAv1aF58YXbGugrALKftOh7bGnDvLmafC3koq1AJz0HS2Y0qEf
Xq0nA7JHqdmeCkgPFGmpjaZ7i/QcSF+9pu1/exEXggsQ8ewFCC+HgHKvUn6i

iAvJ+0VcSA4VcSGpLOJCsquIC8mrRUJI/lgkhGRtkRCSVUVCSJ4uEkKSUySE
ZF6REJKZRUJlphYJlbnmSAjJqClhJlOLhJBE4+AaYXDXrqpUhPe71y9CyeZL
tOTMVQN9oXzNNuAv80Cw9RUlnkA2qvFkUqbGJ5FCNZ5OlKhcUwW4ywE33q+/
vYr3a9RlmtbfYv8fh0IXRL362t/QqI2EXshZ0ValWfFxELOijsLOStGFnJW
xBdyVgwoFKy4oVCwQi4QrPiuQLCiuUCw4nSBYMWJAsGKowWCFQcKBCT2FQhW
vFlgWPF8gWDF7yHumQDDX/69nuD8/ih/CyCkKxRipg7CkwR596l5nmJlJxJp
L6QHInRyO8i/SK+B9NV2nfzno2RAwZl2fXeY/Odzop/I50R/P58T/VA+J3pl
Pif6rnXO9FfzBdH/mC+lvjZfEH1VviD60/mC6Dn5gujz8gXRZ+YLok/NF0S/
J18QfVS+IPrgfEH0aByl5XuQ/yt6+f8HIFRByZkrhvGjvL57BeWVAMS7egj4
UPpJqM9N92z14PCbyl48TrQteZxo/57HibYmjxNtNUQ8UVcp2lyOVuH/QSjJ
hZKZugY9GyHvPjXPQyA9SqRTrwH/RXozpHuLtA/SVy/r+O/gXb3g4F392sG7
+oWDd7Uelp70Dlr50GVNh4B+YCTpqGcjlG3Xlin4N2NdD5SXGMtBwyRpK9IP
dUsmvazEE0iyGk8mCWp8EolT4+nECnFPI+BOvMwO9kdic8k/0KxontUfs+ZA
lnxJ1wNPMWSeVzM9Xkh/LtLJnTR9XE3DbufvP8X2cbtv3RYIHk+K1fgY4IDj
E0guxD1rAFHJJballsZQ4G7btC1KPJ5MVuNjyB1YrQ6qTafVpF9+v/x++f3y
++X3//jX1sMkNdBwjlaKHkzzcAX9P4+G+2noz/N60P9XI0ySj4azNHxEwzEa
3qRhDw2v0bCVhk00rKLBQcNSGmbT8CAN99DwuZnWpQGcbfhouExDBw1htMxC
QxQNcTTE0zCchrERrO0KCvMcDUNp6E3DJ+EmaRsNK2hYQsMMGvrTINFwNswk
HafhURqSaOgw0b7S8AYNa2iYTcNwE8NbJZmkOhr2Sizdxv+LX+O7W16C359T
EFwqTmH5Pv6/kf+vg/+pol4Uj/veFXnFmnlOW5yT+mzMnl+deaYshf13pNyF
v6MpCiBr/2CK7c5bTFKpFG8qlUaHIUrlaXS1PBSyR5Raprus7RHlRLKpFL
5PDHH3vK1FtaNnsBDGXBsrBe0uyS/5YWIbttIDZ4AUmilaXtEoJJZ+UFkuS
E/af6l59j0XiXzQ7B5n3s8TD8/7gfFCazBJPPLnZ+a9nf80S+Q9scP7m21aW
eDbd5iy44waWWLlnuPPZ8gSWWHVqm3PloQ08cToZ2gsr6XQOeGihc/XHc7FX
8+ZnZz0y++FpD/7LrOm/mnxfSvr9E+8Ye9ekO29PHDoiefiwm/rfnDBwQJ/e
kXF9bwizhs+Z+9CMzAz7A6m2mWITxo+7d+qEu0cn3XbPmJG3DhoyKv6WG6Ni
B8f062nuFW2JkKjAhpeGfzF/vhRRGhEtLUt56PnWxe3fy1WNPSS63v9hcccP
KQ6ph5QS6SSL29s1+R0p42i+/OGAaYvrr93/XnN7GOBXX72/vNnHYOquyccB
/u9Xpi3+uHNcDMRP7LMtr0mVzU30r09Dy2uqRv7WbWXwR+W5fPVdWq8rrmG
1T32lnyx5zlj/uDAocXvyXfNBjy1nx1c/PZbFM9eBu/5cOwL1RUs/j+AZ5sa
r2vezPBuVknxHKZ4/nRo8X75/9i7EuioinRd3SyJqNCjElalHUVQFm8v6XR3
0ktWEw3aJASCgknTfZM0dPo23Teh85wZCZuo4wwq4ovOICicwFEYBReELIQ
AgRIIMz4hqgkGdE3L8iqAv3+ulWde0naOPG88945c1KH3++vqr++2v6q+i9B
UJ9q2yMP1u3a43j/z8Azn9hvPjwxqzpA9PWYx9uh17cVEJ4Ne4BnOfCs3uvY
GFRPbXsReFbvcbY5B3hsxH7NoYmDq1OJvhzzWDv0+jY94VmxG3jswPPCXsfK
oOpU23TgmbfH8fvdwKMk9kurJzRWDyV6KeZRdOj1bZGEZ9Eu4FEBz7y9jsVB
1dS2h4Fn2h7Hb3YFK1rpXgQqJ6ys+jvR5wJPVXOHXt/aRHj4j4FHBjz5ex1F
QeZU6/fAE7PH4f4YeCqlfcGBCVlVu4luxzzHO/T6VtiLw8Dj3Bm80P+QPHh4
2l4HG2Tlfg3Z65ixE3jeJfbZ+ycMrlpD9CkfBWtb15O2WcFHV2D7wwk3HLaP
wH4p8LTtdaTvG99YRfeo/gewXx7yK41gf+xPJkfdD2AP+1UH9jVHx6+uKhD9
qipX9KvWbOpX22GcJdDXGMGvooRxVoNfbQceul+768ZnVelFv6piRL9qHUv9
ahvwTAaelYJfrWpNg3V7B/xqG/DQ/dpcO35wVaToV1VI9KuWa9SvyoHnfuCJ
EPwqqnUY8LwAflUerGih+7WmZlxjZzPoV5X1ol+10POyYmwwQr8LKFh7VfCr
VS1fA08++NVW4KHnZWnVuJWVm0W/qiwT/aqFnpdFHwIPnJfaNsGvolrweXkm
/OpD4KF7ETg4LqsyIPpVpVf0qxZ6XvgPgAf2q/a04FerWvB5GQN+9QHw0PNS
8Nm4wZWpol9V2kW/aoG9OHwa/Op94IEzUlst+BXZL1irGe8Dj4H6VcUjjZVj
qV+9F6xtURED/Eq4f2q3X3bY3iP32GHgSf/0kZUV9E5L3WGqbLmf6ltMi8Em
oi8qGxY8dxQp6lOQ4m+ATSanQOpAqkCaoZzB4kcKnQYeNdC9IMtAykHE58xL

3jOkpZhdAYoSHjizbQISyD5Cijlf9DMbKdaXI8UpECXo1nzcAmkGiQObmSC5
bugP2pytBn6sg6BVSKGKQYp7o0H/GCSfyBPbkSIAshvkGsjKHUjxCcgXIAzw
54lsA2mehhTzJ8GYQSpAmkHKlgPHkzCOJwk/egrKQS8HsYI0Q74cxAuyzAZc
IEqQ+ZOHgSBVEC+AtCbgRTtIPUg5SC5U6B9JlloQFAW6JC3AipBloHkgrSD
VIDYpkl5SDnlfBAFjLUZEHYqqMiGdiB4j6YeC79HRbvIHtXzxKbzHuG21uLw
bW3FpO2yV5BiyRtd24b2DkG9dfHP7139EnHv6sEeLSFr++2bSPHXN37Z3il/
C+P4LZIH8yvH59H+CvVT6CPqg5+eR9nrMM+qn5+Hcq04j9tqYE+2k3kwH1Nf
+QXzmL8MxgliieMehTguFuK4FIjjJkMcd1fEgj5l6E4hjOUAOK6Q83AQy+nM
E3EsN1EHsZy59DM0cYH8hBDLTZRhtU/pPoJlTv1/x3J4KOMnPPzQuEfGPKAc
PfbB++8dPurX940Ycs+wkUMH/2rg3VF3Dbo98k7FHbf1k0cM6N8H9SXR2YQJ
EJ3JX0I6y1M72h3Xfrw1OouAyOvltDTHueuWfqHlq/m6GHI9cTOaRF4Hshyf
X6eR12N7HU0N6tWhyOu4JPI6Lom8GmpJ5FUHEVNjUHsK8xyBiKCuVoy8ak6q
s0KR135J5LVfEnkdPEQir7rV+KXVrsKR1xF4AT49JEZeu0+oB4cir22SyGub
JPL6qlZEXnUv4JdWK0ReR4bAS1sjRI6bj6saQ5HXeknktV4SeW2oJpFX3Tz8
0mqjcOR1JAJe2mox8lpTr1oZiryWSyKv5ZLLa0UVibzq8vFLqzklRF5X4aWt
EiOvpCdUWaHlq1QSeZVKlq9FISTyqpuGX1rNKiHyaoOXtlKMvAJHVVYNDkddc
SeQ1l0ZeddXw0h4kkVfdY/iIDUXKex3ug2LkVXCEaQxFXs4DJPLCbdmgukGw
16gcuQelj9VBxD3jMNPxQmZ/Zl4MkRe8ihcXBhFKVg/D53QknNMxcE41cEYN
/RagzlgFaFfoW8uWPBnOZ+Qg8uZFyyvuiQaUX+gxF/UqvLAW9jvLS6wsH7MpZ
+Pz5P/abhSKDxy425k+uCX6k3Xboxx6odPz9QvAzWZ0TjzjOfRc8leiZxx3N
F4PtZXSyn18K1oeOSNPluJvWqh86bFICHvXJZ/Bv7TbPIXcesxMpMsrFOw/f
XeHuvJxt5H57HbBx2y+/87p7q3A5k/LzNlhC40eH/7k7OzT+/8072/IQUmyJ
QsJWKvu9Ngxfw6kXUGhrb0nCe30cxgd2gyHv7caOOU7q4gAx5xMUp1CcSTGP
lkcxQLGU4ksUV1F8m+KHFP9MsYriCYp/o3ie4hWK8hMEB54g88B/YE7/3U/P
w3CC1DES+4Ju7F3UPldiv6Yb+7XUfhm1x2Or6ca+QsLb/h2ZC7p4qz22k2lo
yagMvdiVf8MMsf/UMPU4Yb52Sf/ei6T/+T3sf00Y/h12kbeG8jb1kLc9DG95
gcirvER4mUs940291JXX6hJ5A5R3aQ95y8LwHpXw1oepxwnz2U6S+Hn6SWJ/
N664/NP2XmpfQnEBxZcprqC4julmilspfkKxmuJJimcpfkPxKsU+DQQHURxB
cQxFTYPob7u7GbeN2vWHfHN382sgdSUNZC8WA+I1XA6I/0j/OkD8v9S+K+mX
udLNOWsQ77nsbuyaab/f0n5/pNi3keCdFKMojql4lqKKopFiCsUMis9SnE2x
mOICin+g+DrFTRS3U9zXKM5XebWbeTSKfPd6lbTN7mSP7aQYSiF/9obhT3pe
5C2jvOU95K0Jw7uwVOS9Rnkjr/WMV3mtK2/5QpHXdo3w5vaQNXCG17pl5N1M
eXf3kLc+DO/RReL+ou+7OUenxHtibDd23IP0nqC4gOLLFFdQXEdxE8WtFD+h
WE3xJMWzFL+heJVin9P0nqA4guLYiprT4vyau5ufxC7yh27mR+0iIM90Y7fs
NKlbe5rs1UaKH1LcRbGC4iFJ/0u74W0+LfpB+Q+Uo5M9tpNiKIX8oCkM/6VX
Rd7IHwnv0B97xsv82JX37pUiBy7I9faQd2kY3vrVlu9uylvTQ97mMLy5a0Re
xXXCq7zeM1799a68/6C8/UAvcFOPk+CHTcRvp1OcRXEORb5J9JPybniWSEya
urErbxLfR3Tjp+3qm0jdmSayJi1N5H280ETexxtN5H287YzYr60bvlESu0A3
duozkvv/Br3/O9n/3H7Uhof/9IPJ/U95l2/2jFd5syvvV/sk9/9Nev/3kDcQ
hvetCtF/NoepxwnzzT9D6l48Q/peeYbs0/ozZJ8+oOuJ96q9G54DIKeO8jRR
nnOAa4RRktQM+vVmGJOkrL9Mhu74Av8AVyyr7StDG8DuoGTGp/rJ0FgoK5eU
vdlfhu6BsjclZYolGe4obOr92XzXn83fhlj3NJ+LZxO4QAabjyl+XjOhylg
n8HanbQa2elz0jJzUgLJfq/b5Zkz0el2oypkS8jJZHmbnXcUODifk1pl8kVO
F5fleXgf5053zflZfSVCA5Qus/gwqctj9dgLWWcazxZarVnxyfHxU3lfWklm
D9VQAlm11fo0OiyzzBMG1alBAmnwVJcGyl578HI+vqs955caP46tW5DF5exk
+Xj20+hTmaWY9Tg5X2eWhKmWB3kfzNDn8uRbk6xWMEbfAovHxXeaUmpXY+hy
C7LM4gl2u6/wSbCewqU5rZBPYv0Oq3Uydb62EdrY0Qpb2nhfvM9nL8lg825p
LLQtZh08jNsWP1XSwmqFmpwcJ5tnL3LzOXa3m3PkwEC9bjvPWWh9kmAeZeCtO

MJ04ZLGoJFOZHJ8szHlwlDNeIEzkCguLPC6HHfcTqt4is/C+KT67g7Vap8dn
2+KTnoY2GpnFi50DvAhP1xrK3Drkzgs6F3pKkO4u9JEK5V5Snta5XC32AsvZ
pQ+8oWiezOJn+XiPE8bo8Re6+Hi3G6+OH6+gUObumE92aiosuglYwY/SPH4e
XNnP09W+xVaYQMjKSzqbrxOYdavGlmcmMXh7Ng8sWWn3cuiljngsj3Zu00d
fkL8Stz/0Dq0g6/6kwO8DR+RzhZ4MTtOeqKTFw7tNrn5SmAr0C5m8tHO+T+
uT4e7mNcitbJvdw8lCR3cH50VM7bPcggt2NAL8ndTjbgRRdQTh7PudHjcpX7
Qp5nn+VH6l+YS8XA82Gxali/ZOO1GwR5NeQhm4bzaSgnJzEQSPHBcqbaPU43
60P75LAobhb6KJG7/H4vuByKR9hsSoGPm5ccccLBe3sVB/bPyPB/Lwve5vFBY
NeCDUbhg9K/KcrxFPtYBxShdnudwc36wy5bnecEN+Tw0TZ7HeaGLSZITEzOm
kLsrC8YCCucRKJblcqg2SJaDTz/P+grROpRjd84u8vM5eU5XMcwT5qPruHcm
C/ccY7Xp4gUU/mN9Gib6Wni7hCSo+x5ZHKwP3EATusFy5rn4Arvf78r3wGWG
0ECZBS4rNz54na45lXB74Fmk0WlskaXBYF12t+vf2ES4WuEYuzPB6fCC5aFk
D0yiczHaL0tn7cVdzNFMIOty22e5WVh4uNXpTZ8li+pHTyRnPJmcrIGTtSPp
YcXVFIxLI2UkNqKSCm93DUgqILtGIZtyYYS2RCGE/xWDQSDR9yl0egRCEWoo
HwPfQVA2fSi8ZQ+BVz6l0DcPINQA9p8PQyh/PEJTH4VYCMrOAM9/34/QU79G
yDAOoauAZ6F9A3B9PBKxhIHAfx/EP8BjAbIRhNAyGMPriJtBtoHsBakFOQny
nyAtIP8F8gPIgNtkaAjlQyBqkASQySAzQWaD8CClIMtB3gb5EGQfSB3laZBW
klsgsgEydDtl1AAS3clRH9QX9UP94RWOHjd6ALod3YHuRAPhfCjQr9BdcMfc
A/dxFBqChqJhaDgagUaie9F9aBTKZ+cKS54XSLC77R44G3mBxALOV+Sf5nLy
BTjndnnVGqxwhd4MO2wl1fEu+rFFkr3QCwcNFEcCHJs5WIOzUiKgW8DkgNfj
DDVODWUWsO68JBeckB7nS/x8B1m6y8PafelssQ2uhVB2kiuAde7WdunevFSv
mJ2U5/SE+u3Q1ZCxsT4H68EmNnwHhmzgwizy+V3FbCb00TmP22VwXGGHMcfj
0XsSOTbPD/IMmLObTeSKBN7MQo7jC4Q1CKnYELJT4NQnuOYW2Z2QyeaKWV/H
ajkTHrO7PEyHptXDbvApdnyjlwh3foldXzO9qTf1pt7Um/7F0n41UsyPQopg
MIJEFCOfTQgpngfZB1L/PIJs3YoUd+1Eii/3IEVb7a2/r+LypINkIK6lx391
GsYMjKzf+1jyZPicAX2Sy6IP8bFzi1iPo4TkYzrldZ3y0Z3y2k55Tae8WppP
dYm5VBd+0sgYiEb6l+g6iR4t0bUSXSPR1SE9nSNaCS0lUIQ1UHJ5ykK2EB5Q
kp/EQoCa4cov4CX5dDYPZ1HBYJmiPUqmaL5bphDXbhLn4cj6hexxnY0uKjuX
L/GyGFWz8F9/BwgfDXOFPAehNCJl8HlaKOxRaH+kOm7nMM4ITMQfSJDylaFk
Uo5mdO7AAITmf4JQxv0Q7ypdofgbPniVwseqEr7DjMrRftxWiTOgK92c3QkW
t5QVeTpKO8p8vBjiWf9bikTvnMQ8vrXvZf8YxqVeD3inU6at/G+sQ8r8+wu
N+uEMSm9/mS/l9YJXEol2AuMytEu4OMFK/hs9Cs7SvAOCUWlzlFQPgfPCqpY
n8fuhhZesHBwHg/5ZjAq/T6HcbQLfinhE5doP9EWuP+Zxr2pN/Wm3tSbelNv
6k29qTf1pt70f50UCCXJEJrDrGa+Yr5lJMDVfeonIE5VT7VOtUmVbtKr56t
XqRer/5MfV6t0Vg0czW/0byoWakp07yr2amp0HytUWvN2jnaedpF2mXaN7Qb
tOXaT7T/0F7XLo1eF30t2qHL183RcTq/bp7uLd0G3ee6L3WXdMaY1Bgu5rmY
V2LWxmylKY85EHMS5i8xrTFy/Si9Vp+mt+Vz9SX6/9Af1n+nv6IXGEYaxhg0
hhRDhmGmwWVYbHjbsMtQZzhnOG+4aNAZ44zJxmeMJcY1xj3GU8ZvjCh2cKw6
Vh87PTYntiC2OPbV2K2xB2PPxn4XOzBueJwlzhm3PG5T3P64hrgrcaNNJtPT
JpfJZ3rN9O+mg6bzpqBpuPkB86PmVPNsc4l5gft8zvmHeaD5q/MAY06S65l
ieUNS7ml0tJs+dpy2YKEHwbhfxRkIDOCMTAJTCYzgznoXGFGqKwqVvWyqky1
U1WrOqu6qhgmtqinqWeqn1e/rz6hblPLNZGahzSZmhLNH4TV/KvmimaANKab
qHVpf6ddq92ofU+7TbtL+6X2vuiK6OnRz0WXRm+Mro1uix6ue1T3uK5At1hX
ptunO6eTxYyKiY/JiVkc8zqsZDBGpbfq8/Sl+hf0r+n36Bv0f9G36u8wfGQ4
ZLhsuGm435hkXGR813jMeM54w5gb+1zsW7H7Y2VxY+J8ce/EnYt7wjTN5DUV
m9aaNpq2mS6b+pkZs86cZX7GvMq83XzUfN4cYRlpUVISLHbLKssmywnLI3gd
GPgF6zCamcgYYRVymN8xLzBrmPVMIEqtell1W7VE9af/ae/8/6qu7jj+cV2L
Eh/ChsaSJSY5MrRzzuecz+d8+5yDGxoVU0xGjMgoyVFee9AiouKR1CixbkIJ

Zj2wqFGRUIGhMWOONVJmIFZolKS3QiPDhY6MIGzv6+/bX9Dn93vP577P8/XI
cx+fez+4Hb+LP4dZ/JxcQOrJq2QX+YocJd+RH8h57sVujnuTW+s+7x5xL6T5
9Bag6s/0UfoM7aT76Gf0CFA1gUn2e3YdW8HuYC+wLexzluBN8+L5VD6LX87/
wEv503wr7+Q9fB8/zCeJWQIJLa4QheJ18ZZ4XxwVjpwk58vr5B/lrfJe+Yjc
It+XH8kv5DE5ThWqG1WlWq9eUFvUERWnY7xcpLm+Rlfqu/UD+gndrMcFCcGO
wAYLgmuC+uCVYHPwj2B3cCAImWnmQoNNpIloms0bZrs5ZL41Iatsvi2ypfZ2
IGeT3W57bJ/90h63TqYT+x2csxAtQSVQQ6gBbUKfox/QGXgSPH/PxlfIFfhw
vBl/DEo8jseTJELJb8mVZDVpIhVJFvI26SXfkyT3PGCluVlumbvGfRnmNpte
S++k1TQCatl/0UH6GF6nI5nSSwTZraW7WL72RE20Uvz+rxDXoX/uv+Xv9//
xh/zU/hsLnkhX84r+Xr+It/C9/lv+QhPEhcKAtpbKspEnWgCjj4SX4uT4nxJ
5G/kDaC81bJFdsrd8j/yLHWukmqBWqLuUY+p51S36ldDapKeoV2dr2/Sd+oN
+lXQ3qXgSTDHOLmOowGdbhSHs3EtnuJudQ+5y2it3+L3+E/yfHmfzNczg9rg
4aA5eDn4Pphi8swJUwhzdIodpwxeeymQUkSvp6W0jFbS+05/3pM0xCYzeax
Bexqtpo9yp5hL7HN7E32DfuFI+ylevO8K7w8r9Bb6uWDNirEXnmGUrdvy/R6
fQBWBXBG0BaeCeWaNOWClvdfushHFupwY35WoG9S9HG/DiWQv0Bt273efcTPY
YnY9Kz+91uvsfRZlx9g4b7KX4WV7+TDpGf5l/gLQaNiP+Bv8jf5Of58/6Mfx
X/KZfD6/IpfwGv4Yf5a/xT/kUe6IJJEmLhVXi+XiYfC718Qe8ZX4XqRIJDPI
Unm7XCU3ym3yPXIUjge/4ypHFamVaq36i9quPIGH1UQ9XWNdq1t0j74fKD1u
1lmn2jn9FO58mHIFnc9uZXu9OH+hv87/1E/jN/PN/Ee+EFY7JubJx+Sg5OpB
tU/N0fdoL1gU9ASDwfGgwmw0O80uEzVHzDI2qk2384DwpbbaPmKfsm8C3x9b
p85xYt9dpqMcFEaH0GT8PJnpVvhn8nV8plgoHhLviLPipeDWR+VN4D8Naqsa
VSE9USt9uV4WPBXsAiceDsaCCeY8I2DPC80yc5upMZ+aIXPSTLWzrLBI9kFY
c4NtgVWj9mTMgxodJxc0NQ5NRCnoYISD1qJn0Vvgx1F0LrgQx1I4Mb4er8LP
4mbchv+JP8AXE0kulzeSSrKkbCMfkWpKa3KCnO3OcS9zF7pXgyPd4X7gfuYO
uwl0Gp1DbwBt3X/alVrpHjoM2voZS2SpoK1a9jh7g21ne1i892tvtidg56/y
qrzHvQ3ei167t8NL9S/xjb/EX+FXge7e83v9KCjvID+DG57Fc/m1sAc7QHUH
+XjY/xngWreJu8QqsU48J3aKg6C678SZcrKcK4vlSnlcnpJIXaEWqWtUGKb4
pNqs3IQ71F51UCXCHet0o35Fb9P79Qk9lclg/2B18EX8FMJ5sLTNjcZZ4w
L5kO84n5t/kBZnqJNeBUZXYlzPRvtj82z1YnJjPnZ+hX6Da0Gq1BZbgGP4A3
4b/jt/EhfAl7ZDphRJH1pl+clue6v3NT6WK6g6aym9klmwbkH/Q2gb+czxfz
MwQXwyJJZkgmPXVcV9jYv+pE4P0r6Ld0Kstgy9jtbII309vu9XhP+E/7f+Vp
4ODzwbVnSCq/lcP6R10drAnWwpm3m27lol44+yg47TEzak6B255jE+wUSKcL
gMs5llppMyGncuyVtsAuscvt8CHm4CY1+AT7oTkitqD9rD9xp6wzm7HqYJz
OQslopmlII4Kgd1uNIAOo+9QCKfgqWQRuQcy613yGRCS6E53sTvXXepm0kK6
hfbQd8BXx3mJ3nQPe3PBWzL9QtjnD/0j/jieyKdzzOfyu/mTke9TxEWQSOvE
delWsTWWSVHH6YzdRsFDPI7H8wSexJN5Ck/laTydZ3AErYjzYvCIUh7mZbwc
HLqKV4Nj1PIlr+P14NcNvJE38Wbewlt5G2/nHZCCXbwbknA3NIA+3g+uMsAH
+RAfBk8f5WPgMSERJ+JFArCWDB0rFRwnXWRAYILYKS0yRZbIFjkiV+SJAIEk
ikWJKBVhSIFyUSmqRLWoEbUiAplQLxpEIyRDS2gRrZAP7aJDdlou0Q0tbbfo
FX2iX0Shrw2KISBgRlyKMcjhklyT8TJBjSlkmSJTZZpMBzYQ7DSHTpcJLSVb
5shcmScLZBEQXyJLZViWyXJZKatKNXSYWhmRdblemI+DbJRNshlyqFW2yXbZ
AXnUJbtID6RSr+yT/TIKbWdQDslhOSJH5Ri0xJCKU/EqQSWpZJWiUIWaSlcZ
CikKbqpVpspS2eCquSpPFYC3FqsSaJNh1QfKiNoBO2iH7LAdsA2zDrDkEWx
m4hRCMWheJSaKlAyOFAqSkPpKAMhRIEnjTJRFsoGT8xFeagAemIxKkGIQFkZ
KodUqULV4Fi1KILqUD00pwbUiJpQM2pBragNtaMO1Im6gMgetBv1oj7UD642
gAahtw+jETSKxpCDQzgOx+MEaPHJQGwqRjgHF+ByXAW6jeB63lCbcAs4Xwfu
wj24F/fjATyER/AYDpF46BipRJMSkkvCpJxUkwboGq2kB7QdJQlumougoRW4
xW6d2+S2uu3uoDvmxtEEemknzaDEk8HraQttpL+2ng5DA8dA5Ulga6JpCFmex

HJbHilgJC0NKVrEaFmH1rJF1sG42wlbALcZYyluHdKZepIfklXhhrxzcs8aL
ePVeA1w7tHhtXofXBd7QC9cRA94QXEmMQX6l+cjnfilordav8ztPu+qgnwy6
4dCDy0AldaCPbIDAIA8B7RnAtwa2c4DrImA6DDxXAcuR0xw3AcNtwG838Dos
4oFNCjRmAYl5QGEJ8BcB3hqBqwFgaVSmAyyZQEm1qleNqln1Qd8ZVY5GOkvn
6rAu11W6RkegV7TpTt2vB3UoiA+SgpQgDTyZB3lBcVAFDacu6Ax6gyhkbLLJ
MBx6ZBnkXZ1pMW3g0V2mx/SZETMGHhhdvY3eux54j9b9oq4EuFcHOT8dPx/89
/gtQSwECFAsUAAAACADgYfcs3MqnIvIQAAbmSwAACAAAAAAAAAAAAAAAAAAAA
AAAAaWRIYWxvZ29QSwECFAsUAAAACAC2qzc3DuupSRQDAACvBgAADAAAAAA
AAABACAAAAAYEQAAZXfYzWFkbWUudHh0UEsBAhQLFAAAAAgABqs3N4XgHilt
BwAAKTcAAAcAAAAAAAAAAQAQAgAAAVhQAAGdlcS5pbmlQSwECFAsUAAAACAav
qjc3dGoIEnRkAAAAAMAEABwAAAAAAAAAAAAACAAAADoGwAAZ2VxLmRsbFBLBQYA
AAAABAAEANoAAACBgAAAAAA=

---=_linux46f86942--

Subject: Re: *****FreakQ Update*****

Posted by [xpam_mark](#) on Tue, 25 Sep 2007 02:37:50 GMT

[View Forum Message](#) <> [Reply to Message](#)

Awesome Mike! Where do we send a Paypal pmt?

W. Mark Wilson

"Mike Audet" <mike@.....> wrote in message news:46f86942\$1@linux...

>
> Yo, yo!
>
> Attached is a new version of the FreakQ!
>
> New in this release (both mono and stereo versions):
>
> - All Mid and Hi Shelf EQs now have selectable frequency points.
> - I've added output metering to check for too much gain building up from
> boosting bands (and because meters look cool).
> - The low shelf has been removed because of a problem in the dsp code that
> I don't know how to fix that caused massive distortion when it was used.
>
>
> I had hoped to make this eq fully parametric by having a width control,
> but
> it either isn't possible, or I just don't understand the math going on in
> the algo enough to make it happen. A friend of mine who is far better in
> math than I am has offered to look it over. If there is a breakthrough,
> I'll implement it.
>
> Let me know what you think!
>

> All the best,
> Mike
>
>
>
>

Subject: Re: *****FreakQ Update*****
Posted by [xpam_mark](#) on Tue, 25 Sep 2007 02:37:50 GMT
[View Forum Message](#) <> [Reply to Message](#)

Awesome Mike! Where do we send a Paypal pmt?

W. Mark Wilson

"Mike Audet" <mike@.....> wrote in message news:46f86942\$1@linux...
>
> Yo, yo!
>
> Attached is a new version of the FreakQ!
>
> New in this release (both mono and stereo versions):
>
> - All Mid and Hi Shelf EQs now have selectable frequency points.
> - I've added output metering to check for too much gain building up from
> boosting bands (and because meters look cool).
> - The low shelf has been removed because of a problem in the dsp code that
> I don't know how to fix that caused massive distortion when it was used.
>
>
> I had hoped to make this eq fully parametric by having a width control,
> but
> it either isn't possible, or I just don't understand the math going on in
> the algo enough to make it happen. A friend of mine who is far better in
> math than I am has offered to look it over. If there is a breakthrough,
> I'll implement it.
>
> Let me know what you think!
>
> All the best,
> Mike
>
>
>
>

Subject: Re: *****FreakQ Update*****

Posted by [xpam_mark](#) on Tue, 25 Sep 2007 02:37:50 GMT

[View Forum Message](#) <> [Reply to Message](#)

Awesome Mike! Where do we send a Paypal pmt?

W. Mark Wilson

"Mike Audet" <mike@.....> wrote in message news:46f86942\$1@linux...

>

> Yo, yo!

>

> Attached is a new version of the FreakQ!

>

> New in this release (both mono and stereo versions):

>

> - All Mid and Hi Shelf EQs now have selectable frequency points.

> - I've added output metering to check for too much gain building up from
> boosting bands (and because meters look cool).

> - The low shelf has been removed because of a problem in the dsp code that
> I don't know how to fix that caused massive distortion when it was used.

>

>

> I had hoped to make this eq fully parametric by having a width control,

> but

> it either isn't possible, or I just don't understand the math going on in

> the algo enough to make it happen. A friend of mine who is far better in

> math than I am has offered to look it over. If there is a breakthrough,

> I'll implement it.

>

> Let me know what you think!

>

> All the best,

> Mike

>

>

>

>

>

Subject: Re: *****FreakQ Update*****

Posted by [xpam_mark](#) on Tue, 25 Sep 2007 02:37:50 GMT

[View Forum Message](#) <> [Reply to Message](#)

Awesome Mike! Where do we send a Paypal pmt?

W. Mark Wilson

"Mike Audet" <mike@.....> wrote in message news:46f86942\$1@linux...
>
> Yo, yo!
>
> Attached is a new version of the FreakQ!
>
> New in this release (both mono and stereo versions):
>
> - All Mid and Hi Shelf EQs now have selectable frequency points.
> - I've added output metering to check for too much gain building up from
> boosting bands (and because meters look cool).
> - The low shelf has been removed because of a problem in the dsp code that
> I don't know how to fix that caused massive distortion when it was used.
>
>
> I had hoped to make this eq fully parametric by having a width control,
> but
> it either isn't possible, or I just don't understand the math going on in
> the algo enough to make it happen. A friend of mine who is far better in
> math than I am has offered to look it over. If there is a breakthrough,
> I'll implement it.
>
> Let me know what you think!
>
> All the best,
> Mike
>
>
>
>

Subject: Re: *****FreakQ Update*****
Posted by [Tom Bruhl](#) on Tue, 25 Sep 2007 05:45:34 GMT
[View Forum Message](#) <> [Reply to Message](#)

This is a multi-part message in MIME format.

-----=_NextPart_000_03ED_01C7FF15.C39A64A0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

Really. Mike this is really great stuff.
I can't wait to hear these two updates.

I will donate if there is a way to do it.
Tom

"W. Mark Wilson" <xpam_mark@avidrecording> wrote in message = news:46f87635@linux...

Awesome Mike! Where do we send a Paypal pmt?

W. Mark Wilson

"Mike Audet" <mike@.....> wrote in message news:46f86942\$1@linux...

>
> Yo, yo!
>
> Attached is a new version of the FreakQ!
>
> New in this release (both mono and stereo versions):
>
> - All Mid and Hi Shelf EQs now have selectable frequency points.
> - I've added output metering to check for too much gain building up =
from
> boosting bands (and because meters look cool).
> - The low shelf has been removed because of a problem in the dsp =
code that
> I don't know how to fix that caused massive distortion when it was =
used.
>
>
> I had hoped to make this eq fully parametric by having a width =
control,=20
> but
> it either isn't possible, or I just don't understand the math going =
on in
> the algo enough to make it happen. A friend of mine who is far =
better in
> math than I am has offered to look it over. If there is a =
breakthrough,
> I'll implement it.
>
> Let me know what you think!
>
> All the best,
> Mike
>
>
>
>=20

I choose Polesoft Lockspam to fight spam, and you?

<http://www.polesoft.com/refer.html>

-----=_NextPart_000_03ED_01C7FF15.C39A64A0

Content-Type: text/html;

charset="iso-8859-1"

Content-Transfer-Encoding: quoted-printable

<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.0 Transitional//EN">

<HTML><HEAD>

<META http-equiv=3DContent-Type content=3D"text/html"; =

charset=3Diso-8859-1">

<META content=3D"MSHTML 6.00.2800.1400" name=3DGENERATOR>

<STYLE></STYLE>

</HEAD>

<BODY bgColor=3D#ffffff>

<DIV>Really. Mike this is really great =

stuff.</DIV>

<DIV>I can't wait to hear these =
two=20

updates.</DIV>

<DIV> </DIV>

<DIV>I will donate if there is a way to do=20
it.</DIV>

<DIV>Tom</DIV>

<DIV> </DIV>

<DIV> </DIV>

<BLOCKQUOTE=20

style=3D"PADDING-RIGHT: 0px; PADDING-LEFT: 5px; MARGIN-LEFT: 5px; =
BORDER-LEFT: #000000 2px solid; MARGIN-RIGHT: 0px">

<DIV>"W. Mark Wilson" <A=20

=

href=3D"mailto:xpam_mark@avidrecording">xpam_mark@avidrecording> =
wrote in=20

message <A =

href=3D"news:46f87635@linux">news:46f87635@linux...</DIV>Awesome=20

Mike! Where do we send a Paypal pmt?

W. Mark =
Wilson

"Mike=20

Audet" <mike@.....> wrote in message <A=20

=

href=3D"news:46f86942\$1@linux">news:46f86942\$1@linux...
>
&g=
t; Yo,=20

yo!
>
> Attached is a new version of the =
FreakQ!
>
>=20

New in this release (both mono and stereo =
versions):
>
> -=20

All Mid and Hi Shelf EQs now have selectable frequency points.
> =

- I've
added output metering to check for too much gain building up =
from
>boosting bands (and because meters look cool).
 - The low =
shelf
has been removed because of a problem in the dsp code that
 I =
don't
know how to fix that caused massive distortion when it was
used.

 I had hoped to make this eq fully =
parametric by
having a width control,
 but
 it either isn't possible, =
or I
just don't understand the math going on in
 the algo enough to =
make it
happen. A friend of mine who is far better in
 math than I am =
has
offered to look it over. If there is a breakthrough,
 =
I'll
implement it.

 Let me know what you =
think!

 All
the best,
 Mike

 =

</BLOCKQUOTE>
<DIV>

I choose Polesoft Lockspam to fight spam, =
and
you?
<A=20
href=3D"http://www.polesoft.com/refer.html">http://www.polesoft.com/refer=
..html </DIV></BODY ></HTML>

-----=_NextPart_000_03ED_01C7FF15.C39A64A0--

Subject: Re: *****FreakQ Update*****
Posted by [Tom Bruhl](#) on Tue, 25 Sep 2007 05:45:34 GMT
[View Forum Message](#) <> [Reply to Message](#)

This is a multi-part message in MIME format.

-----=_NextPart_000_03ED_01C7FF15.C39A64A0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

Really. Mike this is really great stuff.
I can't wait to hear these two updates.

I will donate if there is a way to do it.
Tom

"W. Mark Wilson" <xpam_mark@avidrecording> wrote in message =
news:46f87635@linux...

Awesome Mike! Where do we send a Paypal pmt?

W. Mark Wilson

"Mike Audet" <mike@.....> wrote in message news:46f86942\$1@linux...

>

> Yo, yo!

>

> Attached is a new version of the FreakQ!

>

> New in this release (both mono and stereo versions):

>

> - All Mid and Hi Shelf EQs now have selectable frequency points.

> - I've added output metering to check for too much gain building up =
from

> boosting bands (and because meters look cool).

> - The low shelf has been removed because of a problem in the dsp =
code that

> I don't know how to fix that caused massive distortion when it was =
used.

>

>

> I had hoped to make this eq fully parametric by having a width =
control,=20

> but

> it either isn't possible, or I just don't understand the math going =
on in

> the algo enough to make it happen. A friend of mine who is far =
better in

> math than I am has offered to look it over. If there is a =
breakthrough,

> I'll implement it.

>

> Let me know what you think!

>

> All the best,

> Mike

>

>

>

>=20

I choose Polesoft Lockspam to fight spam, and you?

<http://www.polesoft.com/refer.html>

-----=_NextPart_000_03ED_01C7FF15.C39A64A0

Content-Type: text/html;

charset="iso-8859-1"

Content-Transfer-Encoding: quoted-printable

<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.0 Transitional//EN">

<HTML><HEAD>

<META http-equiv=3DContent-Type content=3D"text/html; charset=3Diso-8859-1">

<META content=3D"MSHTML 6.00.2800.1400" name=3DGENERATOR>

<STYLE></STYLE>

</HEAD>

<BODY bgColor=3D#ffffff>

<DIV>Really. Mike this is really great =

stuff.</DIV>

<DIV>I can't wait to hear these = two=20

updates.</DIV>

<DIV> </DIV>

<DIV>I will donate if there is a way to do=20 it.</DIV>

<DIV>Tom</DIV>

<DIV> </DIV>

<DIV> </DIV>

<BLOCKQUOTE=20

style=3D"PADDING-RIGHT: 0px; PADDING-LEFT: 5px; MARGIN-LEFT: 5px; = BORDER-LEFT: #000000 2px solid; MARGIN-RIGHT: 0px">

<DIV>"W. Mark Wilson" <<A=20

=

href=3D"mailto:xpam_mark@avidrecording">xpam_mark@avidrecording> = wrote in=20

message <A =

href=3D"news:46f87635@linux">news:46f87635@linux...</DIV>Awesome=20

Mike! Where do we send a Paypal pmt?

W. Mark =

Wilson

"Mike=20

Audet" <mike@.....> wrote in message <A=20

=

href=3D"news:46f86942\$1@linux">news:46f86942\$1@linux...
>
&g= t; Yo,=20

yo!
>
> Attached is a new version of the =

FreakQ!
>
>=20

New in this release (both mono and stereo =

versions):
>
> -=20

All Mid and Hi Shelf EQs now have selectable frequency points.
> =

- I've=20

added output metering to check for too much gain building up =
from
>=20
boosting bands (and because meters look cool).
> - The low =
shelf=20
has been removed because of a problem in the dsp code that
> I =
don't=20
know how to fix that caused massive distortion when it was=20
used.
>
>
> I had hoped to make this eq fully =
parametric by=20
having a width control,
> but
> it either isn't possible, =
or I=20
just don't understand the math going on in
> the algo enough to =
make it=20
happen. A friend of mine who is far better in
> math than I am =
has=20
offered to look it over. If there is a breakthrough,
> =
I'll=20
implement it.
>
> Let me know what you =
think!
>
> All=20
the best,
> Mike
>
>
>
> =

</BLOCKQUOTE>
<DIV>

I choose Polesoft Lockspam to fight spam, =
and=20
you?
<A=20
href=3D"http://www.polesoft.com/refer.html">http://www.polesoft.com/refer=
..html </DIV></BODY ></HTML>

-----=_NextPart_000_03ED_01C7FF15.C39A64A0--

Subject: Re: *****FreakQ Update*****
Posted by [Tom Bruhl](#) on Tue, 25 Sep 2007 05:45:34 GMT
[View Forum Message](#) <> [Reply to Message](#)

This is a multi-part message in MIME format.

-----=_NextPart_000_03ED_01C7FF15.C39A64A0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

Really. Mike this is really great stuff.
I can't wait to hear these two updates.

I will donate if there is a way to do it.
Tom

"W. Mark Wilson" <xpam_mark@avidrecording> wrote in message =
news:46f87635@linux...

Awesome Mike! Where do we send a Paypal pmt?

W. Mark Wilson

"Mike Audet" <mike@.....> wrote in message news:46f86942\$1@linux...

>
> Yo, yo!
>
> Attached is a new version of the FreakQ!
>
> New in this release (both mono and stereo versions):
>
> - All Mid and Hi Shelf EQs now have selectable frequency points.
> - I've added output metering to check for too much gain building up =
from
> boosting bands (and because meters look cool).
> - The low shelf has been removed because of a problem in the dsp =
code that
> I don't know how to fix that caused massive distortion when it was =
used.
>
>
> I had hoped to make this eq fully parametric by having a width =
control,=20
> but
> it either isn't possible, or I just don't understand the math going =
on in
> the algo enough to make it happen. A friend of mine who is far =
better in
> math than I am has offered to look it over. If there is a =
breakthrough,
> I'll implement it.
>
> Let me know what you think!
>
> All the best,
> Mike
>
>
>
>=20

I choose Polesoft Lockspam to fight spam, and you?

http://www.polesoft.com/refer.html
-----=_NextPart_000_03ED_01C7FF15.C39A64A0
Content-Type: text/html;
charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

```
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.0 Transitional//EN">
<HTML><HEAD>
<META http-equiv=3DContent-Type content=3D"text/html; =
charset=3Diso-8859-1">
<META content=3D"MSHTML 6.00.2800.1400" name=3DGENERATOR>
<STYLE></STYLE>
</HEAD>
<BODY bgColor=3D#ffffff>
<DIV><FONT face=3DArial size=3D2>Really.&nbsp; Mike this is really great =
stuff.</FONT></DIV>
<DIV><FONT face=3DArial size=3D2>I can't wait to&nbsp;hear&nbsp;these =
two=20
updates.</FONT></DIV>
<DIV><FONT face=3DArial size=3D2></FONT>&nbsp;</DIV>
<DIV><FONT face=3DArial size=3D2>I will donate if there is a way to do=20
it.</FONT></DIV>
<DIV><FONT face=3DArial size=3D2>Tom</FONT></DIV>
<DIV><FONT face=3DArial size=3D2></FONT>&nbsp;</DIV>
<DIV>&nbsp;</DIV>
<BLOCKQUOTE=20
style=3D"PADDING-RIGHT: 0px; PADDING-LEFT: 5px; MARGIN-LEFT: 5px; =
BORDER-LEFT: #000000 2px solid; MARGIN-RIGHT: 0px">
  <DIV>"W. Mark Wilson" &lt;<A=20
    =
href=3D"mailto:xpam_mark@avidrecording">xpam_mark@avidrecording</A>&gt; =
wrote in=20
    message <A =
href=3D"news:46f87635@linux">news:46f87635@linux</A>...</DIV>Awesome=20
    Mike!&nbsp; Where do we send a Paypal pmt?<BR><BR>W. Mark =
Wilson<BR><BR>"Mike=20
    Audet" &lt;mike@.....&gt; wrote in message <A=20
    =
href=3D"news:46f86942$1@linux">news:46f86942$1@linux</A>...<BR>&gt;<BR>&g=
t; Yo,=20
    yo!<BR>&gt;<BR>&gt; Attached is a new version of the =
FreakQ!<BR>&gt;<BR>&gt;=20
    New in this release (both mono and stereo =
versions):<BR>&gt;<BR>&gt;&nbsp; --=20
    All Mid and Hi Shelf EQs now have selectable frequency points.<BR>&gt; =
- I've=20
    added output metering to check for too much gain building up =
```

from
>=20
boosting bands (and because meters look cool).
> - The low =
shelf=20
has been removed because of a problem in the dsp code that
> I =
don't=20
know how to fix that caused massive distortion when it was=20
used.
>
>
> I had hoped to make this eq fully =
parametric by=20
having a width control,
> but
> it either isn't possible, =
or I=20
just don't understand the math going on in
> the algo enough to =
make it=20
happen. A friend of mine who is far better in
> math than I am =
has=20
offered to look it over. If there is a breakthrough,
> =
I'll=20
implement it.
>
> Let me know what you =
think!
>
> All=20
the best,
> Mike
>
>
>
> =

</BLOCKQUOTE>
<DIV>

I choose Polesoft Lockspam to fight spam, =
and=20
you?
<A=20
href=3D"http://www.polesoft.com/refer.html">http://www.polesoft.com/refer=
..html </DIV></BODY ></HTML>

-----=_NextPart_000_03ED_01C7FF15.C39A64A0--

Subject: Re: *****FreakQ Update*****
Posted by [Tom Bruhl](#) on Tue, 25 Sep 2007 05:45:34 GMT
[View Forum Message](#) <> [Reply to Message](#)

This is a multi-part message in MIME format.

-----=_NextPart_000_03ED_01C7FF15.C39A64A0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

Really. Mike this is really great stuff.
I can't wait to hear these two updates.

I will donate if there is a way to do it.
Tom

"W. Mark Wilson" <xpam_mark@avidrecording> wrote in message =

news:46f87635@linux...

Awesome Mike! Where do we send a Paypal pmt?

W. Mark Wilson

"Mike Audet" <mike@.....> wrote in message news:46f86942\$1@linux...

>
> Yo, yo!
>
> Attached is a new version of the FreakQ!
>
> New in this release (both mono and stereo versions):
>
> - All Mid and Hi Shelf EQs now have selectable frequency points.
> - I've added output metering to check for too much gain building up =
from
> boosting bands (and because meters look cool).
> - The low shelf has been removed because of a problem in the dsp =
code that
> I don't know how to fix that caused massive distortion when it was =
used.
>
>
> I had hoped to make this eq fully parametric by having a width =
control,=20
> but
> it either isn't possible, or I just don't understand the math going =
on in
> the algo enough to make it happen. A friend of mine who is far =
better in
> math than I am has offered to look it over. If there is a =
breakthrough,
> I'll implement it.
>
> Let me know what you think!
>
> All the best,
> Mike
>
>
>
>=20

I choose Polesoft Lockspam to fight spam, and you?

<http://www.polesoft.com/refer.html>

-----=_NextPart_000_03ED_01C7FF15.C39A64A0

Content-Type: text/html;
charset="iso-8859-1"

Content-Transfer-Encoding: quoted-printable

<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.0 Transitional//EN">

<HTML><HEAD>

<META http-equiv=3DContent-Type content=3D"text/html"; =
charset=3Diso-8859-1">

<META content=3D"MSHTML 6.00.2800.1400" name=3DGENERATOR>

<STYLE></STYLE>

</HEAD>

<BODY bgColor=3D#ffffff>

<DIV>Really. Mike this is really great =

stuff.</DIV>

<DIV>I can't wait to hear these =
two=20

updates.</DIV>

<DIV> </DIV>

<DIV>I will donate if there is a way to do=20
it.</DIV>

<DIV>Tom</DIV>

<DIV> </DIV>

<DIV> </DIV>

<BLOCKQUOTE=20

style=3D"PADDING-RIGHT: 0px; PADDING-LEFT: 5px; MARGIN-LEFT: 5px; =
BORDER-LEFT: #000000 2px solid; MARGIN-RIGHT: 0px">

<DIV>"W. Mark Wilson" <<A=20

=
href=3D"mailto:xpam_mark@avidrecording">xpam_mark@avidrecording> =
wrote in=20

message <A =

href=3D"news:46f87635@linux">news:46f87635@linux...</DIV>Awesome=20

Mike! Where do we send a Paypal pmt?

W. Mark =

Wilson

"Mike=20

Audet" <mike@.....> wrote in message <A=20

=
href=3D"news:46f86942\$1@linux">news:46f86942\$1@linux...
>
&g=
t; Yo,=20

yo!
>
> Attached is a new version of the =
FreakQ!
>
>=20

New in this release (both mono and stereo =
versions):
>
> -=20

All Mid and Hi Shelf EQs now have selectable frequency points.
> =

- I've=20

added output metering to check for too much gain building up =
from
>=20

>
>W. Mark Wilson
>
>"Mike Audet" <mike@.....> wrote in message news:46f86942\$1@linux...
>>
>> Yo, yo!
>>
>> Attached is a new version of the FreakQ!
>>
>> New in this release (both mono and stereo versions):
>>
>> - All Mid and Hi Shelf EQs now have selectable frequency points.
>> - I've added output metering to check for too much gain building up from
>> boosting bands (and because meters look cool).
>> - The low shelf has been removed because of a problem in the dsp code
that
>> I don't know how to fix that caused massive distortion when it was used.
>>
>>
>> I had hoped to make this eq fully parametric by having a width control,

>> but
>> it either isn't possible, or I just don't understand the math going on
in
>> the algo enough to make it happen. A friend of mine who is far better
in
>> math than I am has offered to look it over. If there is a breakthrough,
>> I'll implement it.
>>
>> Let me know what you think!
>>
>> All the best,
>> Mike
>>
>>
>>
>>
>
>

Subject: Re: *****FreakQ Update*****
Posted by [mike audet\[1\]](#) on Tue, 25 Sep 2007 09:02:26 GMT
[View Forum Message](#) <> [Reply to Message](#)

Hi Mark,

Donations are always welcome. :) Thanks so much for offering. It's really

great to hear that I'm making a real contribution to the community. I was a little afraid I was too late.

You can donate via paypal with my email address: mike AT mikeaudet dot com.

All the best!

Mike

"W. Mark Wilson" <xpam_mark@avidrecording> wrote:

>Awesome Mike! Where do we send a Paypal pmt?

>

>W. Mark Wilson

>

>"Mike Audet" <mike@.....> wrote in message news:46f86942\$1@linux...

>>

>> Yo, yo!

>>

>> Attached is a new version of the FreakQ!

>>

>> New in this release (both mono and stereo versions):

>>

>> - All Mid and Hi Shelf EQs now have selectable frequency points.

>> - I've added output metering to check for too much gain building up from

>> boosting bands (and because meters look cool).

>> - The low shelf has been removed because of a problem in the dsp code that

>> I don't know how to fix that caused massive distortion when it was used.

>>

>>

>> I had hoped to make this eq fully parametric by having a width control,

>> but

>> it either isn't possible, or I just don't understand the math going on in

>> the algo enough to make it happen. A friend of mine who is far better in

>> math than I am has offered to look it over. If there is a breakthrough,

>> I'll implement it.

>>

>> Let me know what you think!

>>

>> All the best,

>> Mike

>>

>>

>>
>>
>
>

Subject: Re: *****FreakQ Update*****

Posted by [mike audet\[1\]](#) on Tue, 25 Sep 2007 09:02:26 GMT

[View Forum Message](#) <> [Reply to Message](#)

Hi Mark,

Donations are always welcome. :) Thanks so much for offering. It's really great to hear that I'm making a real contribution to the community. I was a little afraid I was too late.

You can donate via paypal with my email address: mike AT mikeaudet dot com.

All the best!

Mike

"W. Mark Wilson" <xpam_mark@avidrecording> wrote:

>Awesome Mike! Where do we send a Paypal pmt?

>

>W. Mark Wilson

>

>"Mike Audet" <mike@.....> wrote in message news:46f86942\$1@linux...

>>

>> Yo, yo!

>>

>> Attached is a new version of the FreakQ!

>>

>> New in this release (both mono and stereo versions):

>>

>> - All Mid and Hi Shelf EQs now have selectable frequency points.

>> - I've added output metering to check for too much gain building up from
>> boosting bands (and because meters look cool).

>> - The low shelf has been removed because of a problem in the dsp code
that

>> I don't know how to fix that caused massive distortion when it was used.

>>

>>

>> I had hoped to make this eq fully parametric by having a width control,

>> but

>> it either isn't possible, or I just don't understand the math going on
in
>> the algo enough to make it happen. A friend of mine who is far better
in
>> math than I am has offered to look it over. If there is a breakthrough,
>> I'll implement it.
>>
>> Let me know what you think!
>>
>> All the best,
>> Mike
>>
>>
>>
>>
>
>

Subject: Re: *****FreakQ Update*****
Posted by [mike audet\[1\]](#) on Tue, 25 Sep 2007 09:02:26 GMT
[View Forum Message](#) <> [Reply to Message](#)

Hi Mark,

Donations are always welcome. :) Thanks so much for offering. It's really great to hear that I'm making a real contribution to the community. I was a little afraid I was too late.

You can donate via paypal with my email address: mike AT mikeaudet dot com.

All the best!

Mike

"W. Mark Wilson" <xpam_mark@avidrecording> wrote:

>Awesome Mike! Where do we send a Paypal pmt?

>

>W. Mark Wilson

>

>"Mike Audet" <mike@.....> wrote in message [news:46f86942\\$1@linux...](news:46f86942$1@linux...)

>>

>> Yo, yo!

>>

>> Attached is a new version of the FreakQ!

>>

>> New in this release (both mono and stereo versions):
>>
>> - All Mid and Hi Shelf EQs now have selectable frequency points.
>> - I've added output metering to check for too much gain building up from
>> boosting bands (and because meters look cool).
>> - The low shelf has been removed because of a problem in the dsp code
that
>> I don't know how to fix that caused massive distortion when it was used.
>>
>>
>> I had hoped to make this eq fully parametric by having a width control,

>> but
>> it either isn't possible, or I just don't understand the math going on
in
>> the algo enough to make it happen. A friend of mine who is far better
in
>> math than I am has offered to look it over. If there is a breakthrough,
>> I'll implement it.
>>
>> Let me know what you think!
>>
>> All the best,
>> Mike
>>
>>
>>
>>
>
>

Subject: Re: *****FreakQ Update*****
Posted by [mike audet\[1\]](#) on Tue, 25 Sep 2007 09:08:33 GMT
[View Forum Message](#) <> [Reply to Message](#)

Hi Tom,

I'm so glad to hear that this stuff will be useful to you.

Donations are always welcome!

Paypal address: mike AT mikeaudet dot com.

I'm actually planning to set up a mini site to host this stuff. I registered ensoniq.ca, but I'm just so busy that it may take a little while to get to it. I'd rather spend my time working on a new plug. :)

Speaking of new plugs, there are some unreleased algos in the code Chuck posted. I'll be turning my attention to those next. I can't promise anything because if there are dsp code bugs, there's not much I can do. But, I'm very hopeful!

All the best,

Mike

"Tom Bruhl" <arpeggio@comcast.net> wrote:

>
>
>Really. Mike this is really great stuff.
>I can't wait to hear these two updates.
>
>I will donate if there is a way to do it.
>Tom
>
>
> "W. Mark Wilson" <xpam_mark@avidrecording> wrote in message =
>news:46f87635@linux...
> Awesome Mike! Where do we send a Paypal pmt?
>
> W. Mark Wilson
>
> "Mike Audet" <mike@.....> wrote in message news:46f86942\$1@linux...
> >
> > Yo, yo!
> >
> > Attached is a new version of the FreakQ!
> >
> > New in this release (both mono and stereo versions):
> >
> > - All Mid and Hi Shelf EQs now have selectable frequency points.
> > - I've added output metering to check for too much gain building up
> =
>from
> > boosting bands (and because meters look cool).
> > - The low shelf has been removed because of a problem in the dsp =
>code that
> > I don't know how to fix that caused massive distortion when it was =
>used.
> >
> >
> > I had hoped to make this eq fully parametric by having a width =
>control,=20
> > but

> > it either isn't possible, or I just don't understand the math going
 =
 >on in
 > > the algo enough to make it happen. A friend of mine who is far =
 >better in
 > > math than I am has offered to look it over. If there is a =
 >breakthrough,
 > > I'll implement it.
 > >
 > > Let me know what you think!
 > >
 > > All the best,
 > > Mike
 > >
 > >
 > >
 > >=20
 >
 >
 >
 >
 >I choose Polesoft Lockspam to fight spam, and you?
 ><http://www.polesoft.com/refer.html>
 >
 ><!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.0 Transitional//EN">
 ><HTML><HEAD>
 ><META http-equiv=3DContent-Type content=3D"text/html; =
 >charset=3Diso-8859-1">
 ><META content=3D"MSHTML 6.00.2800.1400" name=3DGENERATOR>
 ><STYLE></STYLE>
 ></HEAD>
 ><BODY bgColor=3D#ffffff>
 ><DIV>Really. Mike this is really great =
 >
 >stuff.</DIV>
 ><DIV>I can't wait to hear these =
 >two=20
 >updates.</DIV>
 ><DIV> </DIV>
 ><DIV>I will donate if there is a way to do=20
 >it.</DIV>
 ><DIV>Tom</DIV>
 ><DIV> </DIV>
 ><DIV> </DIV>
 ><BLOCKQUOTE=20
 >style=3D"PADDING-RIGHT: 0px; PADDING-LEFT: 5px; MARGIN-LEFT: 5px; =
 >BORDER-LEFT: #000000 2px solid; MARGIN-RIGHT: 0px">
 > <DIV>"W. Mark Wilson" <<A=20

> =
>href=3D"mailto:xpam_mark@avidrecording">xpam_mark@avidrecording> =
>wrote in=20
> message <A =
>href=3D"news:46f87635@linux">news:46f87635@linux...</DIV>Awesome=20
> Mike! Where do we send a Paypal pmt?

W. Mark =
>Wilson

"Mike=20
> Audet" <mike@.....> wrote in message <A=20
> =
>href=3D"news:46f86942\$1@linux">news:46f86942\$1@linux...
>
&g=
>t; Yo,=20
> yo!
>
> Attached is a new version of the =
>FreakQ!
>
>=20
> New in this release (both mono and stereo =
>versions):
>
> -=20
> All Mid and Hi Shelf EQs now have selectable frequency points.
> =
>- I've=20
> added output metering to check for too much gain building up =
>from
>=20
> boosting bands (and because meters look cool).
> - The low =
>shelf=20
> has been removed because of a problem in the dsp code that
> I =
>don't=20
> know how to fix that caused massive distortion when it was=20
> used.
>
>
> I had hoped to make this eq fully =
>parametric by=20
> having a width control,
> but
> it either isn't possible, =
>or I=20
> just don't understand the math going on in
> the algo enough to =
>make it=20
> happen. A friend of mine who is far better in
> math than I am =
>has=20
> offered to look it over. If there is a breakthrough,
> =
>I'll=20
> implement it.
>
> Let me know what you =
>think!
>
> All=20
> the best,
> Mike
>
>
>
> =
>

</BLOCKQUOTE>
><DIV>

I choose Polesoft Lockspam to fight spam, =
>and=20
>you?
<A=20
>href=3D"http://www.polesoft.com/refer.html">http://www.polesoft.com/refer=
>.html </DIV></BODY></HTML>
>
>

Subject: Re: *****FreakQ Update*****

Posted by [mike audet\[1\]](#) on Tue, 25 Sep 2007 09:08:33 GMT

[View Forum Message](#) <> [Reply to Message](#)

Hi Tom,

I'm so glad to hear that this stuff will be useful to you.

Donations are always welcome!

Paypal address: mike AT mikeaudet dot com.

I'm actually planning to set up a mini site to host this stuff. I registered ensoniq.ca, but I'm just so busy that it may take a little while to get to it. I'd rather spend my time working on a new plug. :)

Speaking of new plugs, there are some unreleased algos in the code Chuck posted. I'll be turning my attention to those next. I can't promise anything because if there are dsp code bugs, there's not much I can do. But, I'm very hopeful!

All the best,

Mike

"Tom Bruhl" <arpeggio@comcast.net> wrote:

>

>

>Really. Mike this is really great stuff.

>I can't wait to hear these two updates.

>

>I will donate if there is a way to do it.

>Tom

>

>

> "W. Mark Wilson" <xpam_mark@avidrecording> wrote in message =

>news:46f87635@linux...

> Awesome Mike! Where do we send a Paypal pmt?

>

> W. Mark Wilson

>

> "Mike Audet" <mike@.....> wrote in message news:46f86942\$1@linux...

> >

> > Yo, yo!

> >

> > Attached is a new version of the FreakQ!

> >

> > New in this release (both mono and stereo versions):

> >
> > - All Mid and Hi Shelf EQs now have selectable frequency points.
> > - I've added output metering to check for too much gain building up
=
>from
> > boosting bands (and because meters look cool).
> > - The low shelf has been removed because of a problem in the dsp =
>code that
> > I don't know how to fix that caused massive distortion when it was =
>used.
> >
> >
> > I had hoped to make this eq fully parametric by having a width =
>control,=20
> > but
> > it either isn't possible, or I just don't understand the math going
=
>on in
> > the algo enough to make it happen. A friend of mine who is far =
>better in
> > math than I am has offered to look it over. If there is a =
>breakthrough,
> > I'll implement it.
> >
> > Let me know what you think!
> >
> > All the best,
> > Mike
> >
> >
> >
> >=20
>
>
>
>
>I choose Polesoft Lockspam to fight spam, and you?
><http://www.polesoft.com/refer.html>
>
><!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.0 Transitional//EN">
><HTML><HEAD>
><META http-equiv=3DContent-Type content=3D"text/html; =
>charset=3Diso-8859-1">
><META content=3D"MSHTML 6.00.2800.1400" name=3DGENERATOR>
><STYLE></STYLE>
></HEAD>
><BODY bgColor=3D#ffffff>
><DIV>Really. Mike this is really great =

```

>
>stuff.</FONT></DIV>
><DIV><FONT face=3DArial size=3D2>I can't wait to hear these =
>two=20
>updates.</FONT></DIV>
><DIV><FONT face=3DArial size=3D2></FONT> </DIV>
><DIV><FONT face=3DArial size=3D2>I will donate if there is a way to do=20
>it.</FONT></DIV>
><DIV><FONT face=3DArial size=3D2>Tom</FONT></DIV>
><DIV><FONT face=3DArial size=3D2></FONT> </DIV>
><DIV> </DIV>
><BLOCKQUOTE=20
>style=3D"PADDING-RIGHT: 0px; PADDING-LEFT: 5px; MARGIN-LEFT: 5px; =
>BORDER-LEFT: #000000 2px solid; MARGIN-RIGHT: 0px">
> <DIV>"W. Mark Wilson" <<A=20
> =
>href=3D"mailto:xpam_mark@avidrecording">xpam_mark@avidrecording</A>> =
>wrote in=20
> message <A =
>href=3D"news:46f87635@linux">news:46f87635@linux</A>...</DIV>Awesome=20
> Mike! Where do we send a Paypal pmt?<BR><BR>W. Mark =
>Wilson<BR><BR>"Mike=20
> Audet" <mike@.....> wrote in message <A=20
> =
>href=3D"news:46f86942$1@linux">news:46f86942$1@linux</A>...<BR>><BR>&g=
>t; Yo,=20
> yo!<BR>><BR>> Attached is a new version of the =
>FreakQ!<BR>><BR>>=20
> New in this release (both mono and stereo =
>versions):<BR>><BR>> -=20
> All Mid and Hi Shelf EQs now have selectable frequency points.<BR>> =
>- I've=20
> added output metering to check for too much gain building up =
>from<BR>>=20
> boosting bands (and because meters look cool).<BR>> - The low =
>shelf=20
> has been removed because of a problem in the dsp code that<BR>> I =
>don't=20
> know how to fix that caused massive distortion when it was=20
> used.<BR>><BR>><BR>> I had hoped to make this eq fully =
>parametric by=20
> having a width control, <BR>> but<BR>> it either isn't possible, =
>or I=20
> just don't understand the math going on in<BR>> the algo enough to =
>make it=20
> happen. A friend of mine who is far better in<BR>> math than I am =
>has=20
> offered to look it over. If there is a breakthrough,<BR>> =

```

>I'll=20
> implement it.
>
> Let me know what you =
>think!
>
> All=20
> the best,
> Mike
>
>
>
> =
>

</BLOCKQUOTE>
><DIV>

I choose Polesoft Lockspam to fight spam, =
>and=20
>you?
<A=20
>href=3D"http://www.polesoft.com/refer.html">http://www.polesoft.com/refer=
>.html </DIV></BODY></HTML>
>
>

Subject: Re: *****FreakQ Update*****
Posted by [mike audet\[1\]](#) on Tue, 25 Sep 2007 09:08:33 GMT
[View Forum Message](#) <> [Reply to Message](#)

Hi Tom,

I'm so glad to hear that this stuff will be useful to you.

Donations are always welcome!

Paypal address: mike AT mikeaudet dot com.

I'm actually planning to set up a mini site to host this stuff. I registered ensoniq.ca, but I'm just so busy that it may take a little while to get to it. I'd rather spend my time working on a new plug. :)

Speaking of new plugs, there are some unreleased algos in the code Chuck posted. I'll be turning my attention to those next. I can't promise anything because if there are dsp code bugs, there's not much I can do. But, I'm very hopeful!

All the best,

Mike

"Tom Bruhl" <arpeggio@comcast.net> wrote:

>
>
>Really. Mike this is really great stuff.
>I can't wait to hear these two updates.
>
>I will donate if there is a way to do it.
>Tom

>
>
> "W. Mark Wilson" <xpam_mark@avidrecording> wrote in message =
>news:46f87635@linux...
> Awesome Mike! Where do we send a Paypal pmt?
>
> W. Mark Wilson
>
> "Mike Audet" <mike@.....> wrote in message news:46f86942\$1@linux...
> >
> > Yo, yo!
> >
> > Attached is a new version of the FreakQ!
> >
> > New in this release (both mono and stereo versions):
> >
> > - All Mid and Hi Shelf EQs now have selectable frequency points.
> > - I've added output metering to check for too much gain building up
=>
>from
> > boosting bands (and because meters look cool).
> > - The low shelf has been removed because of a problem in the dsp =
>code that
> > I don't know how to fix that caused massive distortion when it was =
>used.
> >
> >
> > I had hoped to make this eq fully parametric by having a width =
>control,=20
> > but
> > it either isn't possible, or I just don't understand the math going
=>
>on in
> > the algo enough to make it happen. A friend of mine who is far =
>better in
> > math than I am has offered to look it over. If there is a =
>breakthrough,
> > I'll implement it.
> >
> > Let me know what you think!
> >
> > All the best,
> > Mike
> >
> >
> >
> >=20
>

```

>
>
>
>I choose Polesoft Lockspam to fight spam, and you?
>http://www.polesoft.com/refer.html
>
><!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.0 Transitional//EN">
><HTML><HEAD>
><META http-equiv=3DContent-Type content=3D"text/html; =
>charset=3Diso-8859-1">
><META content=3D"MSHTML 6.00.2800.1400" name=3DGENERATOR>
><STYLE></STYLE>
></HEAD>
><BODY bgColor=3D#ffffff>
><DIV><FONT face=3DArial size=3D2>Really. Mike this is really great =
>
>stuff.</FONT></DIV>
><DIV><FONT face=3DArial size=3D2>I can't wait to hear these =
>two=20
>updates.</FONT></DIV>
><DIV><FONT face=3DArial size=3D2></FONT> </DIV>
><DIV><FONT face=3DArial size=3D2>I will donate if there is a way to do=20
>it.</FONT></DIV>
><DIV><FONT face=3DArial size=3D2>Tom</FONT></DIV>
><DIV><FONT face=3DArial size=3D2></FONT> </DIV>
><DIV> </DIV>
><BLOCKQUOTE=20
>style=3D"PADDING-RIGHT: 0px; PADDING-LEFT: 5px; MARGIN-LEFT: 5px; =
>BORDER-LEFT: #000000 2px solid; MARGIN-RIGHT: 0px">
> <DIV>"W. Mark Wilson" <<A=20
> =
>href=3D"mailto:xpam_mark@avidrecording">xpam_mark@avidrecording</A>> =
>wrote in=20
> message <A =
>href=3D"news:46f87635@linux">news:46f87635@linux</A>...</DIV>Awesome=20
> Mike! Where do we send a Paypal pmt?<BR><BR>W. Mark =
>Wilson<BR><BR>"Mike=20
> Audet" <mike@.....> wrote in message <A=20
> =
>href=3D"news:46f86942$1@linux">news:46f86942$1@linux</A>...<BR>><BR>&g=
>t; Yo,=20
> yo!<BR>><BR>> Attached is a new version of the =
>FreakQ!<BR>><BR>>=20
> New in this release (both mono and stereo =
>versions):<BR>><BR>> -=20
> All Mid and Hi Shelf EQs now have selectable frequency points.<BR>> =
>- I've=20
> added output metering to check for too much gain building up =

```

>from
>=20
> boosting bands (and because meters look cool).
> - The low =
>shelf=20
> has been removed because of a problem in the dsp code that
> I =
>don't=20
> know how to fix that caused massive distortion when it was=20
> used.
>
>
> I had hoped to make this eq fully =
>parametric by=20
> having a width control,
> but
> it either isn't possible, =
>or I=20
> just don't understand the math going on in
> the algo enough to =
>make it=20
> happen. A friend of mine who is far better in
> math than I am =
>has=20
> offered to look it over. If there is a breakthrough,
> =
>I'll=20
> implement it.
>
> Let me know what you =
>think!
>
> All=20
> the best,
> Mike
>
>
>
> =
>

</BLOCKQUOTE>
><DIV>

I choose Polesoft Lockspam to fight spam, =
>and=20
>you?
<A=20
>href=3D"http://www.polesoft.com/refer.html">http://www.polesoft.com/refer=
>.html </DIV></BODY></HTML>
>
>

Subject: Re: *****FreakQ Update*****
Posted by [mike audet\[1\]](#) on Tue, 25 Sep 2007 09:08:33 GMT
[View Forum Message](#) <> [Reply to Message](#)

Hi Tom,

I'm so glad to hear that this stuff will be useful to you.

Donations are always welcome!

Paypal address: mike AT mikeaudet dot com.

I'm actually planning to set up a mini site to host this stuff. I registered ensoniq.ca, but I'm just so busy that it may take a little while to get to it. I'd rather spend my time working on a new plug. :)

Speaking of new plugs, there are some unreleased algos in the code Chuck posted. I'll be turning my attention to those next. I can't promise anything because if there are dsp code bugs, there's not much I can do. But, I'm

very hopeful!

All the best,

Mike

"Tom Bruhl" <arpeggio@comcast.net> wrote:

>

>

>Really. Mike this is really great stuff.

>I can't wait to hear these two updates.

>

>I will donate if there is a way to do it.

>Tom

>

>

> "W. Mark Wilson" <xpam_mark@avidrecording> wrote in message =

>news:46f87635@linux...

> Awesome Mike! Where do we send a Paypal pmt?

>

> W. Mark Wilson

>

> "Mike Audet" <mike@.....> wrote in message news:46f86942\$1@linux...

> >

> > Yo, yo!

> >

> > Attached is a new version of the FreakQ!

> >

> > New in this release (both mono and stereo versions):

> >

> > - All Mid and Hi Shelf EQs now have selectable frequency points.

> > - I've added output metering to check for too much gain building up

=

>from

> > boosting bands (and because meters look cool).

> > - The low shelf has been removed because of a problem in the dsp =

>code that

> > I don't know how to fix that caused massive distortion when it was =

>used.

> >

> >

> > I had hoped to make this eq fully parametric by having a width =

>control,=20

> > but

> > it either isn't possible, or I just don't understand the math going

=

>on in

> > the algo enough to make it happen. A friend of mine who is far =
>better in
> > math than I am has offered to look it over. If there is a =
>breakthrough,
> > I'll implement it.
> >
> > Let me know what you think!
> >
> > All the best,
> > Mike
> >
> >
> >
> >=20
>
>
>
>
>I choose Polesoft Lockspam to fight spam, and you?
><http://www.polesoft.com/refer.html>
>
><!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.0 Transitional//EN">
><HTML><HEAD>
><META http-equiv=3DContent-Type content=3D"text/html; =
>charset=3Diso-8859-1">
><META content=3D"MSHTML 6.00.2800.1400" name=3DGENERATOR>
><STYLE></STYLE>
></HEAD>
><BODY bgColor=3D#ffffff>
><DIV>Really. Mike this is really great =
>
>stuff.</DIV>
><DIV>I can't wait to hear these =
>two=20
>updates.</DIV>
><DIV> </DIV>
><DIV>I will donate if there is a way to do=20
>it.</DIV>
><DIV>Tom</DIV>
><DIV> </DIV>
><DIV> </DIV>
><BLOCKQUOTE=20
>style=3D"PADDING-RIGHT: 0px; PADDING-LEFT: 5px; MARGIN-LEFT: 5px; =
>BORDER-LEFT: #000000 2px solid; MARGIN-RIGHT: 0px">
> <DIV>"W. Mark Wilson" <<A=20
> =
>href=3D"mailto:xpam_mark@avidrecording">xpam_mark@avidrecording> =
>wrote in=20

```

> message <A =
>href=3D"news:46f87635@linux">news:46f87635@linux</A>...</DIV>Awesome=20
> Mike! Where do we send a Paypal pmt?<BR><BR>W. Mark =
>Wilson<BR><BR>"Mike=20
> Audet" <mike@.....> wrote in message <A=20
> =
>href=3D"news:46f86942$1@linux">news:46f86942$1@linux</A>...<BR>><BR>&g=
>t; Yo,=20
> yo!<BR>><BR>> Attached is a new version of the =
>FreakQ!<BR>><BR>>=20
> New in this release (both mono and stereo =
>versions):<BR>><BR>> -=20
> All Mid and Hi Shelf EQs now have selectable frequency points.<BR>> =
>- I've=20
> added output metering to check for too much gain building up =
>from<BR>>=20
> boosting bands (and because meters look cool).<BR>> - The low =
>shelf=20
> has been removed because of a problem in the dsp code that<BR>> I =
>don't=20
> know how to fix that caused massive distortion when it was=20
> used.<BR>><BR>><BR>> I had hoped to make this eq fully =
>parametric by=20
> having a width control, <BR>> but<BR>> it either isn't possible, =
>or I=20
> just don't understand the math going on in<BR>> the algo enough to =
>make it=20
> happen. A friend of mine who is far better in<BR>> math than I am =
>has=20
> offered to look it over. If there is a breakthrough,<BR>> =
>I'll=20
> implement it.<BR>><BR>> Let me know what you =
>think!<BR>><BR>> All=20
> the best,<BR>> Mike<BR>><BR>><BR>><BR>> =
><BR><BR></BLOCKQUOTE>
><DIV><FONT size=3D2><BR><BR>I choose Polesoft Lockspam to fight spam, =
>and=20
>you?<BR><A=20
>href=3D"http://www.polesoft.com/refer.html">http://www.polesoft.com/refer=
>.html</A> </FONT></DIV></BODY></HTML>
>
>

```

Subject: Re: *****FreakQ Update*****

Posted by [emarenot](#) on Wed, 26 Sep 2007 06:23:00 GMT

[View Forum Message](#) <> [Reply to Message](#)

Hey Mike
Thank you for your work. Can't wait to try out the Freak.
Cheers
MR

"Mike Audet" <mike@.....> wrote in message news:46f86942\$1@linux...
>
> Yo, yo!
>
> Attached is a new version of the FreakQ!
>
> New in this release (both mono and stereo versions):
>
> - All Mid and Hi Shelf EQs now have selectable frequency points.
> - I've added output metering to check for too much gain building up from
> boosting bands (and because meters look cool).
> - The low shelf has been removed because of a problem in the dsp code
that
> I don't know how to fix that caused massive distortion when it was used.
>
>
> I had hoped to make this eq fully parametric by having a width control,
but
> it either isn't possible, or I just don't understand the math going on in
> the algo enough to make it happen. A friend of mine who is far better in
> math than I am has offered to look it over. If there is a breakthrough,
> I'll implement it.
>
> Let me know what you think!
>
> All the best,
> Mike
>
>
>
>

Subject: Re: *****FreakQ Update*****
Posted by [Tom Bruhl](#) on Thu, 27 Sep 2007 15:50:45 GMT
[View Forum Message](#) <> [Reply to Message](#)

This is a multi-part message in MIME format.

-----=_NextPart_000_0117_01C800FC.A3B20290
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

I have donated a small morsel of funds to the Mike Audet Project
at mike AT mikeaudet dot com .
I know Mike has plans to do many things. It is nice to know new things=20
still materialize for Paris after it has been long forgotten by most. =20

All that can should take part in Mike's effort by donating a little
something. If we all do, it might add up to something. He's working =
very
hard at it.
Tom

"Mike R." <emarenot@yahoo.com> wrote in message news:46f9d0ac@linux...
Hey Mike
Thank you for your work. Can't wait to try out the Freak.
Cheers
MR

"Mike Audet" <mike@.....> wrote in message news:46f86942\$1@linux...
>
> Yo, yo!
>
> Attached is a new version of the FreakQ!
>
> New in this release (both mono and stereo versions):
>
> - All Mid and Hi Shelf EQs now have selectable frequency points.
> - I've added output metering to check for too much gain building up =
from
> boosting bands (and because meters look cool).
> - The low shelf has been removed because of a problem in the dsp =
code
that
> I don't know how to fix that caused massive distortion when it was =
used.
>
>
> I had hoped to make this eq fully parametric by having a width =
control,
but
> it either isn't possible, or I just don't understand the math going =
on in
> the algo enough to make it happen. A friend of mine who is far =
better in
> math than I am has offered to look it over. If there is a =
breakthrough,
> I'll implement it.

something. He's working very

hard at it.

Tom

<DIV>"Mike R." <A=20
 href=3D"mailto:emarenot@yahoo.com">emarenot@yahoo.com> wrote in =
 message=20
 news:46f9d0ac@linux...</DIV>Hey=20
 Mike
Thank you for your work. Can't wait to try out the=20
 Freak.
Cheers
MR

"Mike Audet" <mike@.....> wrote in =
 message=20
 <A =
 href=3D"news:46f86942\$1@linux">news:46f86942\$1@linux...
>
&g=
 t;=20
 Yo, yo!
>
> Attached is a new version of the=20
 FreakQ!
>
> New in this release (both mono and stereo=20
 versions):
>
> - All Mid and Hi Shelf EQs now =
 have=20
 selectable frequency points.
> - I've added output =
 metering to=20
 check for too much gain building up from
> boosting bands =
 (and=20
 because meters look cool).
> - The low shelf has been =
 removed=20
 because of a problem in the dsp code
that
> I don't know how =
 to fix=20
 that caused massive distortion when it was =
 used.
>
>
> I had=20
 hoped to make this eq fully parametric by having a width=20
 control,
but
> it either isn't possible, or I just don't =
 understand=20
 the math going on in
> the algo enough to make it happen. A =
 friend of=20
 mine who is far better in
> math than I am has offered to look =
 it=20
 over. If there is a breakthrough,
> I'll implement=20
 it.
>
> Let me know what you think!
>
> All =
 the=20
 best,
> =
 Mike
>
>
>
>

</BLOCKQUOTE>
 <DIV>

I choose Polesoft Lockspam to fight spam, =
 and=20
 you?
<A=20
 href=3D"http://www.polesoft.com/refer.html">http://www.polesoft.com/refer=

..html </DIV></BODY ></HTML>

-----=_NextPart_000_0117_01C800FC.A3B20290--

Subject: Re: *****FreakQ Update*****

Posted by [Dimitrios](#) on Tue, 02 Oct 2007 10:43:59 GMT

[View Forum Message](#) <> [Reply to Message](#)

HEY you freaking guy MIKE !!

I missed your post !

Wow that is what I asked for some weeks before !

I will donate something to you ,not much right now but will follow more !

FreakQ is great now, would be perfect if you could find a Q factor but anyway

this is a BIG update to the other one !!

Heads up !!

Dimitrios

"Tom Bruhl" <arpeggio@comcast.net> wrote:

>

>

>I have donated a small morsel of funds to the Mike Audet Project

>at mike AT mikeaudet dot com .

>I know Mike has plans to do many things. It is nice to know new things=20

>still materialize for Paris after it has been long forgotten by most. =20

>

>All that can should take part in Mike's effort by donating a little

>something. If we all do, it might add up to something. He's working =

>very

>hard at it.

>Tom

>

>

> "Mike R." <emarenot@yahoo.com> wrote in message news:46f9d0ac@linux...

> Hey Mike

> Thank you for your work. Can't wait to try out the Freak.

> Cheers

> MR

>

> "Mike Audet" <mike@.....> wrote in message news:46f86942\$1@linux...

> >

> > Yo, yo!

> >

> > Attached is a new version of the FreakQ!

> >

> > New in this release (both mono and stereo versions):

> >

> > - All Mid and Hi Shelf EQs now have selectable frequency points.

> > - I've added output metering to check for too much gain building up
 =
 >from
 > > boosting bands (and because meters look cool).
 > > - The low shelf has been removed because of a problem in the dsp =
 >code
 > that
 > > I don't know how to fix that caused massive distortion when it was =
 >used.
 > >
 > >
 > > I had hoped to make this eq fully parametric by having a width =
 >control,
 > but
 > > it either isn't possible, or I just don't understand the math going
 =
 >on in
 > > the algo enough to make it happen. A friend of mine who is far =
 >better in
 > > math than I am has offered to look it over. If there is a =
 >breakthrough,
 > > I'll implement it.
 > >
 > > Let me know what you think!
 > >
 > > All the best,
 > > Mike
 > >
 > >
 > >
 > >
 > >
 >
 >
 >
 >
 >I choose Polesoft Lockspam to fight spam, and you?
 ><http://www.polesoft.com/refer.html>
 >
 ><!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.0 Transitional//EN">
 ><HTML><HEAD>
 ><META http-equiv=3DContent-Type content=3D"text/html; =
 >charset=3Diso-8859-1">
 ><META content=3D"MSHTML 6.00.2800.1400" name=3DGENERATOR>
 ><STYLE></STYLE>
 ></HEAD>
 ><BODY bgColor=3D#ffffff>
 ><DIV>I have donated a small morsel =

>Mike Audet Project</DIV>

>.
I know=20

>size=3D2>It is=20

>nice to know new things </DIV>

><DIV>still materialize for Paris after it =

>has=20

></DIV>

><DIV>All that can should take part in Mike's

=

>effort by=20

>donating a little</DIV>

>add up to=20

><DIV>hard at it.</DIV>

><DIV>Tom</DIV>

><BLOCKQUOTE=20

>style=3D"PADDING-RIGHT: 0px; PADDING-LEFT: 5px; MARGIN-LEFT: 5px; =

>BORDER-LEFT: #000000 2px solid; MARGIN-RIGHT: 0px">

> <DIV>"Mike R." <A=20

> href=3D"mailto:emarenot@yahoo.com">emarenot@yahoo.com> wrote in =

>message=20

> news:46f9d0ac@linux...</DIV>Hey=20

> Freak.
Cheers
MR

"Mike Audet" <mike@.....> wrote in =

>message=20

> <A =

>href=3D"news:46f86942\$1@linux">news:46f86942\$1@linux...
>
&g=

>t;=20

> Yo, yo!
>
> Attached is a new version of the=20

> FreakQ!
>
> New in this release (both mono and stereo=20

>have=20

>metering to=20

>(and=20

>removed=20

> because of a problem in the dsp code
that
> I don't know how =

>> that
>> > I don't know how to fix that caused massive distortion when it was =
>>used.
>> >
>> >
>> > I had hoped to make this eq fully parametric by having a width =
>>control,
>> but
>> > it either isn't possible, or I just don't understand the math going
> =
>>on in
>> > the algo enough to make it happen. A friend of mine who is far =
>>better in
>> > math than I am has offered to look it over. If there is a =
>>breakthrough,
>> > I'll implement it.
>> >
>> > Let me know what you think!
>> >
>> > All the best,
>> > Mike
