Subject: Apogee with Core audio - low latency breakthrough or markeing hype?
Posted by Dedric Terry on Mon, 25 Feb 2008 23:46:50 GMT
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 http://discussions.apple.com/thread.jspa?messageID=3D6693909 #6693909 =
(should take you to the next to last post on that page)

Apparently Apogee's numbers are only while tracking. Sounds like they =
only posted part of the story with their great low latency figures.
It is hard to say if this is the case for everyone though, except for =
Apogee's response when the user called, but since I brought it up in the =
Vista thread, I thought I would pass it along to try and sort through =
marketing myth and real world facts. I was actually kind of hoping the =
Apogee Symphony would smoke at low latency with Core audio and any app, =
just because it would be cool to have such a breakthrough, but this =
really just shows that ASIO is pushing the limits of current OSs =
already, and we haven't really exceeded it yet.

The reports on Nuendo performance is quite a bit faster on XP and ASIO2, =
but it's running fine at low latency on
OSX/core audio - just about 20-30% higher (my adjusted estimate) plugin =
load on the same hardware, same latency: it's really 76 Nuendo multiband =
comps at 64 samples on XP/ASIO, vs 45 on OSX/core audio at 64, which is =
almost 50% more, but I'm assuming there are other plugins in that =
benchmark test to compensate for, and vary part of that loading (I'll =
have to find out for sure when I have more time) - same dual quad =
hardware configs in both cases. I don't know for sure if some of this =
is Nuendo not being optimized for the lower level OSX code base (maybe =
already), or still on Cocoa or whatever - or if it is truly a limitation =
of OSX and core audio. Based on the Logic thread, the latter seems to =
have a bit more weight than it being a Nuendo-only performance issue.

Fwiw,
Dedric

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