
Subject: Funkiest guitar player ever?

Posted by [Bill L](#) on Sun, 13 Jul 2008 14:20:34 GMT

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/>

>On 2008-09-14 08:41:28 -0700, "Gantt Kushner" <ganttmann@comcast.net> said:

>

>>

>> Any Sonar users around? I'm looking for something to install on my wife's

>> HP laptop for rempoe gigs w/ a firewire interface. I am, as the saying

goes,

>> wide open to suggestion!

>>

>> Gantt

>

>Lookin good dude. I'm trying to dig up the C16 code for you, I'll bet you
could have fun with that :-)

Chuck

"Mike Audet" <mike@...> wrote:

>

>

>

>Looks like I trimmed the timings down too far in one pl

Subject: Re: Funkiest guitar player ever?

Posted by [Gantt Kushner](#) on Sun, 13 Jul 2008 14:43:25 GMT

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ace.

>

>Here's a newer one.

>

>

>

>

>"Mike Audet" <mike@...> wrote:

>>

>>

>>

>>Hi All,

>>

>>Here's my latest build of the PSCL.

>>

>>I thought I should write a bit about what the PSCL is and what it does.

>

>>
>>
>>There is a set chain of communication that goes on in PARIS while the app
>>is running. It looks like this:
>>
>>PARIS App <--> PSCL <--> scherzo driver <---> hardware.
>>
>>Basically, the App calls functions in the PSCL in order to tell the hardware
>>to stop playing, or start, or load the driver for the 8 out cards, or whatever.
>> The PSCL translates these requests to commands that the cards can understand
>>and sends the commands to the scherzo driver to pass them down to the cards.
>>
>>
>>When the PSCL was first written - which was a long time ago now - there
>was
>>no way to run PARIS on a multi-CPU machine. Not only was there no need
>to
>>protect the code from the hazards of

Subject: Re: Funkiest guitar player ever?
Posted by [TCB](#) on Sun, 13 Jul 2008 15:26:41 GMT
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rogrammer. So, more
>than
>>once I've thought something was broken or messed up when it probably wasn't.
>> I just didn't understand it correctly.
>>
>>Anyway, what I have done is put locks on all the resources I can find that
>>could be affected by two CPUs trying to change them at the exact same time.
>> I've also discovered that there are certain card resources that the PSCL
>>tries to change directly without going through the scherzo driver. These
>>variables seem to need around 3 milliseconds to "take". I think that under
>>windows 95, the PSCL was directly altering the memory on the cards, but
>Windows
>>XP doesn't allow that. What I think is happening is that Windows is intercepting
>>the attempt to alter the variable and passing it down through the regular
>>mechanisms, and that imposes a delay. If the app moves on and tries to
>do
>>something that requires the value being set properly, things go wrong.

>I'm
>>guess that on a single CPU system, Windows is regularly interrupting to
>manage
>>memory, read files from the disk, update the clock, etc, etc., so these
>delays
>>were "filled in" by windows. I'm just making them explicit.

>>
>>Anyway, it seems to be working well for me. I also tightened up the start
>

Subject: Re: Funkiest guitar player ever?
Posted by [steve the artguy](#) on Mon, 14 Jul 2008 02:18:35 GMT
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>>>memory, read files from the disk, update the clock, etc, etc., so these
>>delays
>>>were "filled in" by windows. I'm just making them explicit.
>>>
>>>Anyway, it seems to be working well for me. I also tightened up the start
>>>up hardware detection timings because some of them seem to work fine at
>>one
>>>fifth what they were now that the direct writes are being managed.
>>>
>>>There are other small changes, too. Let me know if you have a chance
to
>>>try this and how it goes. There may be hardware configurations that don't

Subject: Re: Funkiest guitar player ever?
Posted by [TCB](#) on Mon, 14 Jul 2008 04:43:48 GMT
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etal/jazz/fusion stuff I've done with the adat inputs the
>>> convertor quality is way more important than losing the last 4 bits. If
>> you
>>> keep a nice hot signal, you'd never know the difference IMO.
>>> AA
>>>
>>>
>>> "Gantt Kushner" <ganttmann@comcast.net> wrote in message
>>> news:48cc7709\$1@linux...
>>>> So, I've been reading a bit about the Presonus Digimax FS since there
>>>> seems
>>>> to be a lot of favorable talk about it. I'd like to have something w/
>>>> firewire
>>>> so I could do remote stuff w/ my wife's PC laptop but that seems to be
>> a
>>>> whole 'nother can of worms.
>>>>
>>>> Does anyone have experience with sending 24 bit ADAT lightpipe signal
>> into
>>>> Paris' 20 bit ADAT cards' inputs? Does it sound good, bad, indifferent?
>>>>
>>>> I'm also interested in the Mackie Onyx 1200F. 12 Onyx preamps, about
>> a
>>>> gazillion
>>>> other ins and outs, ADAT lightpipe, firewire, control room monitor,
>>>> headphone
>>>> outs. All for around \$1700.
>>>>
>>>> Anyone want to buy my 1975 Martin D28?
>>>>
>>>> Gantt
>>>
>I checked on the web and only found version 1.3 for Mac OSX. Is this all that's
available for the trial version? I saww something also about a version 8
being the latest version.
Steve

"chuck duffy" <c@c.com> wrote:
>
>I second that. I finally set up my rig again.
>
>Firepod
>Reaper
>Groove Agent
>Halion
>Sony Vaio laptop running VISTA!
>
>I recorded a quick and dirty version of

<http://www.bobdylan.com/#/songs/it-takes-lot-laugh-it-takes-train-cry>
>on saturday and it was all rock solid.
>

Subject: Re: Funkiest guitar player ever?
Posted by [steve the artguy](#) on Mon, 14 Jul 2008 18:34:45 GMT
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out, in fact I saw an option to
install Reaper to a USB/removable key which reeeally peaked my interest in
it as a live tool. That's a pretty small footprint for install and a GREAT
failsafe if the PC blows up in the middle of a gig.

>
> Anyways... I seen this mentioned before in the thread and it confuses me.
> Is it a typo or could explain what you mean by, "The Presonus does not

Subject: Re: Funkiest guitar player ever?
Posted by [Ed](#) on Tue, 15 Jul 2008 15:28:41 GMT
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ng to install on my
wife's
>>>> HP laptop fpr rempoe gigs w/ a firewire interface. I am, as the saying
>> goes,
>>>> wide open to suggestion!
>>>>
>>>> Gantt
>>>
>>I've said it before, but it's worth another round. You absolutely fail to
suck bro. Awesome work, I can't wait to get a multi core rig going with some
EDS's in it to bust a trial off.
AA

"Mike Audet" <mike@....> wrote in message news:48ce6d22\$1@linux...
>
> Thanks, Chuck! I've been reading up on volatile variables. I'm thinking
> that some of the delays I'm having to put in might be better handled by
> declaring
> the user mode pointers as volatile given that we're really multitasking
> now.
>
> This is a great learning experience for me. :)
>

> Thanks again!
>
> Mike
>
>
>
> "chuck duffy" <c@c.com> wrote:
>>
>>Lookin good dude. I'm trying to dig up the C16 code for you, I'll bet you
>>could have fun with that :-)
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Subject: Re: Funkiest guitar player ever?
Posted by [TCB](#) on Wed, 16 Jul 2008 18:57:52 GMT
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>
>>>
>>>
>>>
>>> Gantt Kushner wrote:
>>>> Reaper certainly is worth checking out! I'm trying to figure out if the
>> Presonus
>>>> Firestudio is worth the extra \$\$\$ over the FP10 (AKA Firepod). Both
>>>> allegedly
>>>> have the super groovy mic pres and firewire. Both seek to have line
>>>> outs.
>>>> The Firestudio seems to have better S/N in the digi output.
>>>>
>>>> I dunno. I need to do this on the cheap!
>>>>
>>>> Gantt
>>>>
>>>> KerryGalloway <kg@kerrygalloway.com> wrote:
>>&g

Subject: Re: Funkiest guitar player ever?
Posted by [steve the artguy](#) on Fri, 18 Jul 2008 05:23:33 GMT
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>>> for me because the PSCL was written in a c-like style. It's all
>>>>> structures
>>>>> and functions. It's not object oriented at all, which is what is more
>>>> common
>>>>> today and what I'm used to. I'm also still a new programmer. So, more
>>>>> than
>>>>> once I've thought something was broken or messed up when it probably
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>>>>> I just didn't understand it correctly.
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