Subject: Re: float function unexpectedly slow
Posted by Craig Markwardt on Thu, 13 Mar 2014 00:45:19 GMT
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On Wednesday, March 12, 2014 8:31:19 PM UTC-4, timoth...@gmail.com wrote:
> On Thursday, March 13, 2014 11:25:46 AM UTC+11, Craig Markwardt wrote:
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>> On Wednesday, March 12, 2014 7:56:44 PM UTC-4, timoth...@gmail.com wrote:
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>>> Anyway to get to the point one thing I have discovered this morning is that the built in float() function seems to be unexpectedly slow.
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>> When I try your sample code on my iMac and Linux machine (both x86_64), both Python and IDL are about the same speed. In fact for me IDL is 3-10% faster!
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>> Craig
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> Hmm interesting. Just out of curiosity what kind of CPU do you have and how many cores does it have?
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> The IDL documentation says: This routine is written to make use of IDL's thread pool, which can increase execution speed on systems with multiple CPUs.
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> I have 6 cores maybe its costing more time than its saving with that many cores.
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> The other question would be what version of python and idl are you using? I'm using IDL 8.2

and Python 3.2.2 on Windows 64-bit

Mac:
IDL> print, !version, !cpu
{ x86_64 darwin unix Mac OS X 7.1 Apr 21 2009 64 64}{ 0
0 2 2 100000 0
}

Linux:
IDL> print, !cpu, !version
{ 0 0 4 4 100000
0}{ x86_64 linux unix linux 8.1 Mar 9 2011 64 64
}