

VisIt - Bug # 1319: Crash when exporting streamline with additional sampled variable.

Status:	Pending	Priority:	Normal
Author:	Brad Whitlock	Category:	
Created:	01/22/2013	Assigned to:	
Updated:	01/22/2013	Due date:	
Likelihood:	2 - Rare		
Severity:	4 - Crash / Wrong Results		
Found in Version:	2.6.0		
OS:	All		
Support Group:	Any		
Subject:	Crash when exporting streamline with additional sampled variable.		
Description:	<p>The intent here is to make some streamlines and sample additional fields onto them and export the data. The following steps produce an engine crash.</p> <ol style="list-style-type: none">1. Open noise.silo2. Add a Streamline plot of grad3. Draw4. Open File->Export5. Set the filename to "streamline" and the format to VTK.6. Add hardyglobal as an additional variable to save7. Export <p>The engine will crash.</p> <p>Here's a stack:</p> <pre><code><pre> Program received signal EXC_BAD_ACCESS, Could not access memory. Reason: 13 at address: 0x0000000000000000 0x0000000101c8651b in avtIntegralCurve::CurrentLocation (this=0x107f38040, end=@0x7fff5fbfc048) at avtIntegralCurve.C:471 471 end = ivp->GetCurrentY(); (gdb) p ivp \$1 = (avtVPSolver *) 0x1051aaaf0 (gdb) where #0 0x0000000101c8651b in avtIntegralCurve::CurrentLocation (this=0x107f38040, end=@0x7fff5fbfc048) at avtIntegralCurve.C:471 #1 0x00000001019ee571 in avtSerialIAlgorithm::AddIntegralCurves (this=0x107f364e0, ics=@0x106383ee0) at avtSerialIAlgorithm.C:211 #2 0x00000001019ee738 in avtSerialIAlgorithm::Initialize (this=0x107f364e0, seedPts=@0x106383ee0) at avtSerialIAlgorithm.C:113 #3 0x00000001019a70d8 in avtPICSFilter::Execute (this=0x106383d70) at avtPICSFilter.C:1303 #4 0x00000001019a6de6 in virtual thunk to avtPICSFilter::Execute() () at avtPICSFilter.C:612 #5 0x000000010335fd3d in avtFilter::Update (this=0x106383f90, contract=@0x7fff5fbfc5b8) at avtFilter.C:273 #6 0x000000010335f571 in virtual thunk to avtFilter::Update(ref_ptr<avtContract>) () at avtFilter.C:144 #7 0x00000001032774f1 in avtDataObject::Update (this=0x106c5bee0, contract=@0x7fff5fbfcad8) at avtDataObject.C:131 #8 0x00000001033a8945 in avtDatabaseWriter::Write (this=0x107f43dc8, filename=@0x7fff5fbfdc28, md=0x1058d9180, varlist=@0x7fff5fbfdc08, allVars=false) at avtDatabaseWriter.C:473 #9 0x0000000100094c59 in NetworkManager::ExportDatabase (this=0x105825dd0, id=0, atts=0x10604ac28) at NetworkManager.C:4389</pre>		

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#10 0x00000001000623ed in RPCExecutor<ExportDatabaseRPC>::Execute (this=0x105832280,
rpc=0x10604ab60) at Executors.h:1790
#11 0x000000010007634c in RPCExecutor<ExportDatabaseRPC>::Update (this=0x105832280,
s=0x10604ab88) at RPCExecutor.h:67
#12 0x0000000103d13402 in Subject::Notify (this=0x10604ab88) at Subject.C:193
#13 0x0000000103a49231 in AttributeSubject::Notify (this=0x10604ab60) at AttributeSubject.C:99
#14 0x0000000103d87582 in Xfer::Process (this=0x105824050) at Xfer.C:423
#15 0x00000001000564c1 in Engine::ProcessInput (this=0x105823da0) at Engine.C:1711
#16 0x000000010005a506 in Engine::EventLoop (this=0x105823da0) at Engine.C:1657
#17 0x000000010000da91 in EngineMain (argc=3, argv=0x7fff5fbfe590) at main.C:321
#18 0x000000010000dc40 in main (argc=9, argv=0x7fff5fbfe590) at main.C:382
(gdb) p *ivp
warning: can't find linker symbol for virtual table for `avtIVPSolver' value
warning: found `vtkFieldData::BasicIterator::BasicIterator()' instead
$2 = {
  _vptr$avtIVPSolver = 0x104f6c966,
  convertToCartesian = 134,
  convertToCylindrical = 201,
  order = 1
}
</pre></code>
```

History

01/22/2013 05:19 pm - Brad Whitlock

I reported this because a user on the visitusers.org forum ran into it.

01/22/2013 07:28 pm - Brad Whitlock

- Status changed from New to Pending