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Subject: Uncaught PARTICLE\_TRACE exception  
Posted by [rab209](#) on Thu, 27 May 2004 17:43:19 GMT  
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Hi all,

I'm using the PARTICLE\_TRACE procedure to simulate a particle flow through a 3-D velocity field, which, in most cases, works well.

However, on the rare occasion where the seeds don't go anywhere (usually due to the velocity vectors immediately pushing the seeds out of the simulation volume), the program crashes, and IDL tells me that

% Array dimensions must be greater than 0.

and it points me to the line where my PARTICLE\_TRACE call is made. When examining the output values after the crash, the "Verts" and "Normals" arrays are fine, but the "Conn" parameter is undefined...

Which makes me think that PARTICLE\_TRACE needs to have at least one connecting line for it to work w/o crashing... which is unfortunate, since I can't .cont my way back afterwards, nor can I automatically predict if that would happen beforehand by looking at the data.

Any ideas on if this is what's really happening and/or a workaround?

Thanks much,  
Ryan

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