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Subject: IFIELD setting.

Posted by [Lia Lavezzi](#) on Mon, 19 Oct 2009 08:56:09 GMT

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Hi,

while looking at the crash problem I was printing the magnetic field values read by geane (Hx, Hy, Hz) and I saw sometimes it sees 0, 0, 0 instead of the correct value (compared to the map values)... This is due to the fact that in some materials in the media\_pnd.geo file the IFIELD parameter is set to 0 (for example for copper and mylar, two stt media): the STT is inside the magnetic field but geane does not see it in these cases.

Is there any reason why IFIELD must be set to 0 on some materials I didn't think about?

I think that all the materials which are inside the magnetic field should switch this parameter on (i.e. set IFIELD to 1 and not to 0), otherwise during the geane tracking it will be assumed that here there is no field and the track will not bend inside these materials.

I would change at least copper and mylar (since I saw the problem there), is there any objection? I ask, since not only stt uses these materials.

Best regards,  
Lia.

P.S.: Unfortunately this is not the source of the crash, so I keep investigating... please be patient!

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