
Subject: Re: Conversion of track parameters

Posted by [Anonymous Poster](#) on Mon, 13 Jul 2009 10:20:48 GMT

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Hi,

dont know if it will help a lot, but it's a start:

SC = FairTrackParH

SD = FairTrackParP

MARS = master reference system $\vec{x}$ & $\vec{p}$

The names parabola and helix are questionable and you can ignore them for any practical purposes. What the real difference between SD and SC is, that SD comes from a fixed geometrical plane (the D stands for detector), whereas SC is defined in a plane perpendicular to the track.

Cheers, Christian
