
Subject: Re: mvd classes

Posted by [Ralf Kliemt](#) on Fri, 29 Jun 2007 09:06:49 GMT

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Quote:

In the Hybrid hitProducer when you ask for GetLocalHitPoint transformation , how will be the coordinates system of the silicon sensor defined? Is the same as the global frame?

GetLocalHitPoints(point, posInL, posOutL);

Takes the MvdPoint point (global frame) and converts the in and out points to the local sensor frame (written to posInL and posOutL).

Quote:

in The CalcGlobalPoint(..) method,
what is the difference between the col and colB?
are they both the variable for the column number?

The CalcGlobalPoint Method is a MC-Clustering. It will go outside the Digitization. As far as I know this should not be called in the Exec Of the HybridHitProducer. The col is the column number, which becomes a charge-weighted mean for this cluster. The colB is the non-weighted mean.

Quote:

why do you do col += 0.5, what is the meaning of this 0.5?

I think Tobias made this, because the column numbers are integers of the pixel borders. The output value is just shifted into the middle of the pixel.

I hope this helps.

Regards, Ralf.
