

## Synergia2 - Bug # 19: longitudinal coordinate

<b>Status:</b>	New	<b>Priority:</b>	Normal
<b>Author:</b>	Alexandru Macridin	<b>Category:</b>	
<b>Created:</b>	04/28/2009	<b>Assigned to:</b>	
<b>Updated:</b>	04/28/2009	<b>Due date:</b>	
<b>Subject:</b>	longitudinal coordinate		
<b>Description:</b>	in synergia the longitudinal coordinate stores $c^*t(s)$ (not $(c^*t(s)-c^*t_0(s))$ ), thus is an increasing function of $s$ . When space charge kicks are applied, if longitudinal pbc is imposed, the longitudinal coordinate is reduced to the interval $(-\pi, \pi)$ , which would make sense for $c^*t(s)-c^*t_0(s)$ , but not for $c^*t(s)$ ....		

### History

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