Requirements 18th SPINE meeting, March 7th 2012, ESTEC Matías WARTELSKI, Astrium Satellites



Requirements

- More efficient circuit solver when dielectrics are included
- Reduce memory leaks on SpisNum
- More flexibility on circuit elements (e.g. surfaces non taken into account in the circuit or source surfaces with fixed potentials)
- Interconnectors treating:
 - Modelling electron current drawned by interconnectors without modelling IC geometrically (SPIS-Science)
 - Detailed study of IC -> analytical models for system simus



Requirements

- Output of ion energy distribution (covered by SPIS-Science)
- CEX generation should be consistent with the « complex pusher »
- Work&think on current scalers to stabilize simulations during EP firing transional regime
- Implement elastic collisions volume interactor

