

Orbit Offset in Rectilinear 6D Cooling Lattices

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- Closed orbit is off axis in rectilinear 6-D lattices
- Calculate two ways
 - 6-D closed orbit with RF & absorber
 - Take 6-D closed orbit energy, find closed orbit without RF & absorber
 - Should be close, but significant difference
- Magnetic field from RF a significant perturbation to the dipole field
 - Eliminated when cavities are centered on closed orbit
 - Centering will change lattice somewhat

Offsets and Fields

