简单多粒子模型

start

drift 0.085 0.02 0

superpose 0 0 0 0 0 0

field 0.35 0.02 0 3 0 0 1 0.531 sol

superpose 0.345 0 0 0 0 0 0

field 0.21 0.02 0 1 162.5e6 -33 1.36 -1.36 hwr010

superposeend

end

动态静态误差

start

err\_step 2 2

err\_cav\_stat\_on 1 0 0 0 0 0 0

err\_cav\_ncpl\_stat 10 1 2 0 0.0 0.0 0.0 0.0 0.0

err\_cav\_dyn\_on 1 0 0 0 0 0 0

err\_cav\_ncpl\_dyn 10 1 2 0 0.0 0.0 0.0 0.0 0.0

drift 0.0835 0.02 0

field 0.1 0.02 0 3 0 0 1 0.677098 sol

field 0.1 0.02 0 3 0 0 1 0.677098 sol

field 0.21 0.02 0 1 162.5e6 -33 1.36 -1.36 hwr010

field 0.21 0.02 0 1 162.5e6 -33 -1.36 -1.36 hwr010

drift 0.0835 0.02 0

drift 0.000001 0.02

end

静态误差矫正

start

err\_step 1 1

err\_cav\_stat\_on 1 0 0 0 0 0 0

err\_cav\_ncpl\_stat 1 0 1.0 0 0.0 0.0 0.0 0.0 0.0

drift 0.0835 0.02 0

field 0.1 0.02 0 3 0 0 1 0.677098 sol

ADJUST 1 7 5 0 3 0

field 0.21 0.02 0 1 162.5e6 -33 3 -1.36 hwr010

drift 0.0835 0.02 0

DIAG\_ENERGY 1 5 0

drift 0.000001 0.02 0

end

包络模型

DRIFT 0.76486 1 1

QUAD 0.97277 1 0.40328

DRIFT 0.1355 1 1

QUAD 0.15 1 -2.2265

DRIFT 0.381 1 1

QUAD 0.324 1 0.664

DRIFT 0.59197 1 1

匹配twiss参数

MATCHING 1 1 0.1 1

DRIFT 0.76486 1 1

MATCHING 1 1 0.1 1

MATCHING 1 3 0 10

QUAD 0.97277 1 0.40328

MATCHING 1 1 0.1 1

DRIFT 0.1355 1 1

MATCHING 1 1 0.1 1

MATCHING 1 3 -10 0

QUAD 0.150 1 -2.2265

MATCHING 1 1 0.1 1

DRIFT 0.381 1 1

MATCHING 1 1 0.1 1

MATCHING 1 3 0 10

QUAD 0.324 1 0.664

MATCHING 1 1 0.1 1

DRIFT 0.59197 1 1

SETTWISS 1 2 3 2 3

计算入口twiss参数（周期匹配）

CIRCLE\_MATCH 1 2 0

LATTICE 1 4 5

;cell1

DRIFT 1 0 0

SOLENOID 1 0 1

DRIFT 1 0 0

RF\_GAP 100000 0 162.5E6

DRIFT 1 0 0

;cell2

DRIFT 1 0 0

SOLENOID 1 0 1

DRIFT 1 0 0

RF\_GAP 100000 0 162.5E6

DRIFT 1 0 0

;cell3

DRIFT 1 0 0

SOLENOID 1 0 1

DRIFT 1 0 0

RF\_GAP 100000 0 162.5E6

DRIFT 1 0 0

;cell4

DRIFT 1 0 0

SOLENOID 1 0 1

DRIFT 1 0 0

RF\_GAP 100000 0 162.5E6

DRIFT 1 0 0

LATTICE\_END