



Problem Details	
Example	3D Pin
Length	380 cm
Power*	71 kW
k Shift	1.25
k Tolerance	1e-6
ϕ Tolerance	1e-6

Effect of partial convergence of CMFD on the total convergence rate

L^*	2	4	6	10	15	20	30	100	Ref*
nOuter*	33	19	15	14	14	17	21	N/A*	14

The full convergence of CMFD just make this simple cases break down!

*Power is the averaged power of a single pin in a 3300 MWth Reactor

* L : # of power iteration used to solve CMFD eigenvalue equation

*nOuter: # of total iteration

*Ref: # without feedback