

T3P Sample Problems

pillbox

- Cubit journal file for model and mesh generation [create_mesh.jou](#)
- Mesh file [pillbox.ncdf](#)
- T3P input parameter file [pillbox.t3p](#)
- Comparison of MAFIA and T3P results [comparison_T3P.vs.MAFIA.eps](#)
- Movie [pillbox.gif](#)

Notes

- To run this example on linux, use the following, assuming that the executable name is t3p and it is in your path.
`t3p pillbox.t3p first`
To run it on franklin at NERSC, please consult [Demo for Franklin Usage](#).
- After it successfully runs, there will be a directory named `first`, in which all the outputs are stored.
To get wakefield along the axis, run [ACDTool](#) as follows:
`cd first/OUTPUT`
`acdtool postprocess wake_new w.bnd w.z.all.dat 0.0 0.0`
This will generate a file called `wakes_new.out`. Plot it and you will see the wakefield.