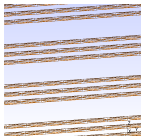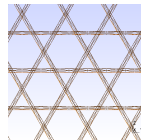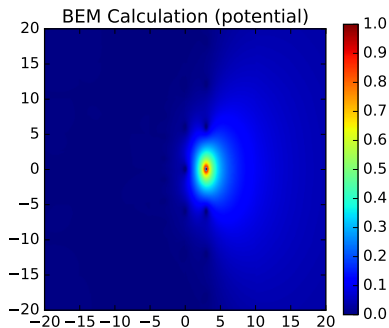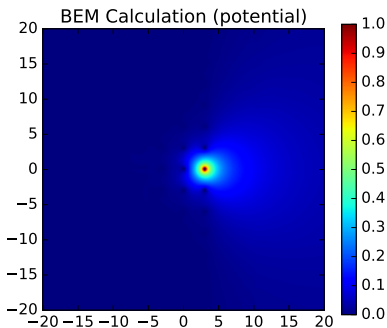# 3D Field Calculation using Boundary Element Method

fully-parallel wire
planes

- ▶ So far just Shockley-Ramo *weighting potentials*.
- ▶ Meshes with custom code + GMSH and BEM with BEM++.
- ▶ Fully-parallel wires for checking with prior Garfield 2D.
- ▶ Initial, full-3D using a MicroBooNE-like geometry.
- ▶ To do: drift field, ray tracing, average response functions.
- ▶ BEM seems to perform well as alternative to FEM.

MicroBooNE-like
geometry

Weighting potentials, units are mm.