

Homework C

Michael Brodskiy

Professor: D. Wood

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Abstract

The purpose of this document is to analyze how the electric field of a parallel plate capacitor may be plotted in the GNU Octave program. Various scenarios will be analyzed, such as a basic conductor (with air), a conductor with a dielectric, and a conductor with a diamagnetic.

Keywords: parallel plate capacitor, electric field, GNU Octave, dielectric, diamagnetic