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Library: PGMLIB
Submitter :
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Solution of Poisson's or Laplace's Equation in Two-Dimensional Regions

The POISCR program package consists of a set of programs designed for the solution of Poisson's or Laplace's equation in two-dimensional regions. The programs have originally been written to solve magnetostatic problems, but they can equally well be used for other potential problems. Material properties may be linear or non-linear. Polarized material (like permanent magnet material) is allowed.

Structure:

Complete PROGRAM package
User Entry Names: FORCCR, LATTCR, POISCR, TRIPCR
Files Referenced: As defined in the POISSON exec file. Unit 11, Unit 12

Usage:

See **Long Write-up**.

Source:

A program POISSON was originally written by R.F. Holsinger then working at LBL. It was based on an earlier program TRIM by A. Winslow and on theoretical work by K. Halbach (LBL). The CERN Program Library version POISCR is a revision of these programs by C. Iselin (CERN).

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