

coulomb*

3D Electrostatic Design Software

Integrated Engineering Software presents COULOMB, a powerful three-dimensional electrostatic design and analysis tool featuring our innovative Boundary Element Method (BEM) technology. COULOMB is especially well suited for applications where the design requires a large open field analysis and exact modeling of the boundaries. COULOMB combines exceptional ease of use, speed and accuracy all in one fully-integrated package.

Design engineers depend on COULOMB for the design and analysis of electric/electronic equipment and components such as:

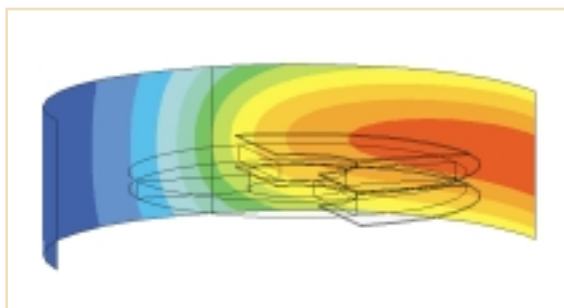
- insulators, bushings, grounding electrodes
- microelectromechanical systems (MEMS)
- high voltage shields
- power transmission lines
- telecommunication cables
- lenses for beam deflection
- microstrip and integrated circuits
- parts and assemblies subject to electrical fields



Capacitive position sensor



Voltage contour plot of high voltage insulator



Contour plot of E field at 1cm from sensor

"COULOMB has proven to be very useful for electrostatic modelling of biological systems. Integrated has impressed me with their willingness to work with the customer to solve unique problems."

*John Hauck
Principal Research Scientist
Endocardial Solutions
Minnesota, USA*

Speed, accuracy...
plus reduced costs

COULOMB maximizes productivity by allowing for the simulation of virtual prototypes on the computer. COULOMB significantly reduces design and prototype costs and provides engineers far greater insight into design optimization and verification.



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ENGINEERING SOFTWARE

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