

# Electric Field Analysis

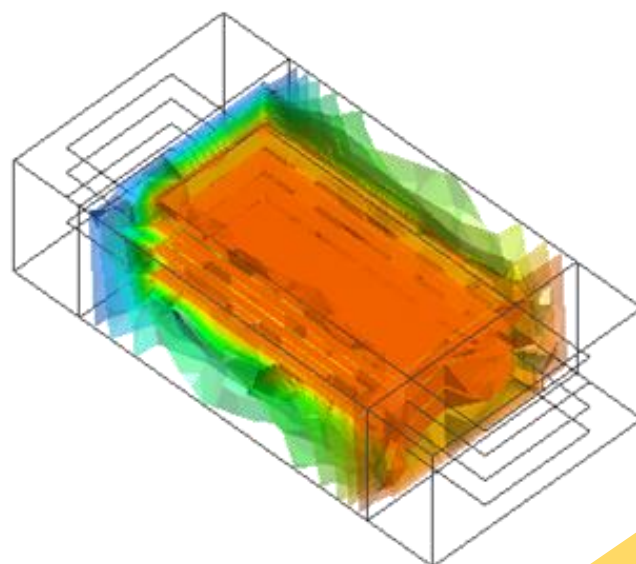
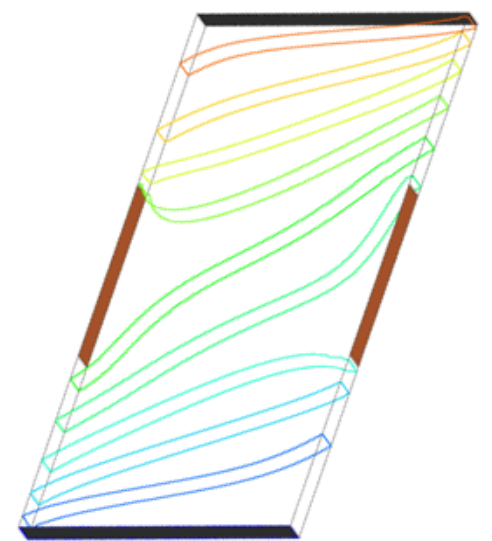
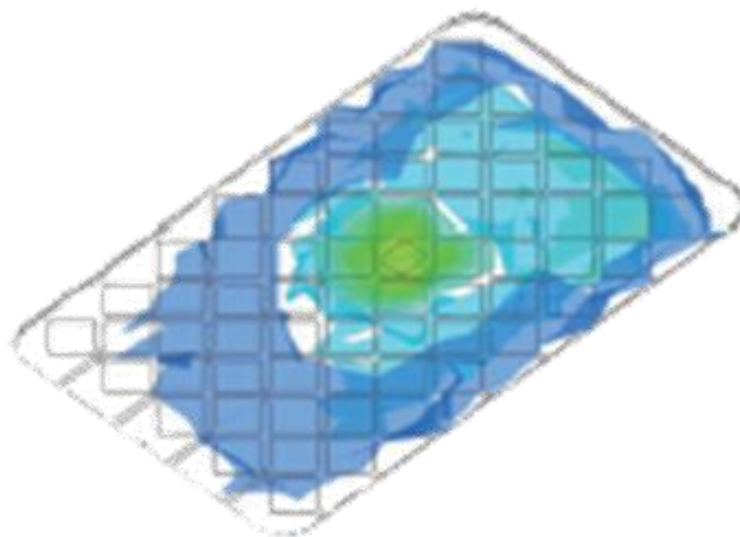
3D/2D Finite Element Method Analysis Software

## Drive Your Ideas to Reality

Electric field solver simulates, just to name a few, the electric fields when voltage is applied to dielectric or conductive materials, the capacitance/resistance across electrodes, the current density/thickness distribution of plating.

## Capabilities at a Glance

- Capacitance
- Floating capacitance
- Resistance
- Electrostatic force
- Electroplating
- Plating
- Touch screen
- Hall element



[Try Femtet free of charge for 60 days](#)

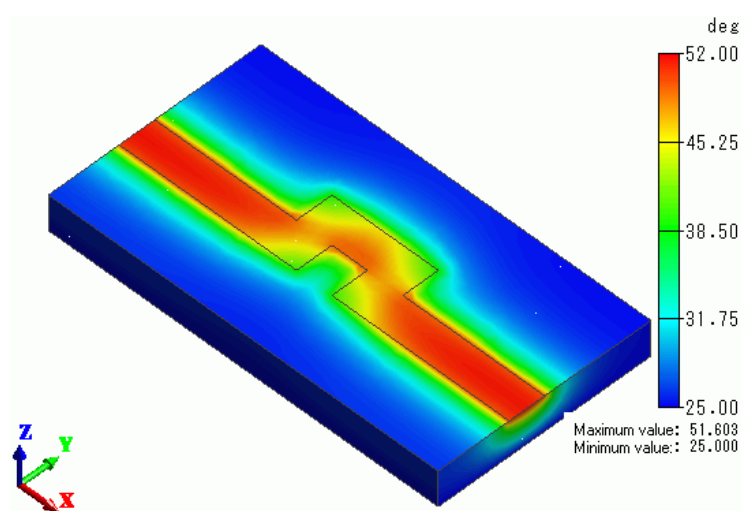
# Electric Field Analysis

## 3D/2D Finite Element Analysis Software

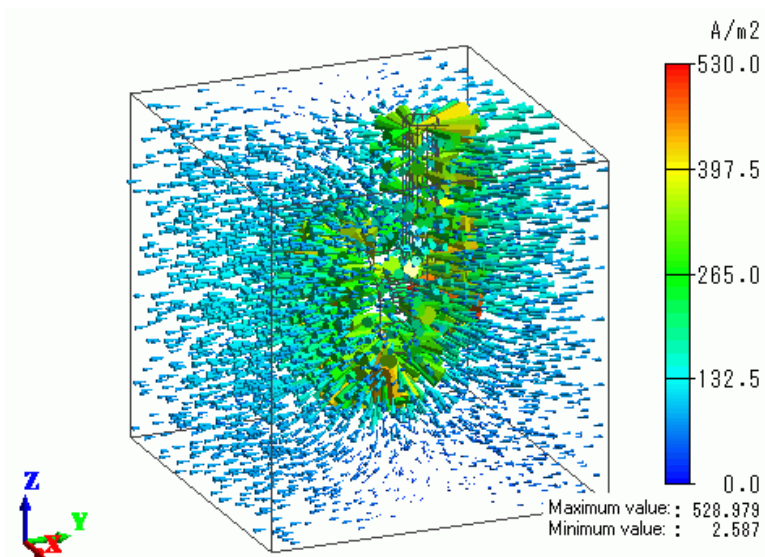
### Optimization Is What Counts

How you optimize your design is important, especially in the early stages of your engineering activity. It will reduce the incurring time and cost of, product development and making/re-working prototype samples.

The electric field solver provides you with the best possible solution to your design by calculating the items spatial potential distribution, spatial electric field intensity distribution, and surface charge distribution.



Heating of Conductive Stripline



Electroplating

### Further Benefits

#### Comprehensive Functionalities

All in one package from modeling to meshing, simulation, and to results display.

#### Intuitive Operations

Rich in graphical user interface.  
Automatic meshing suitable for each analysis condition.

#### Efficient Engineering

Capable of batch processing and parametric analysis that are essential for optimizing your design. VBA macro function is available.

#### Database Management

A wide range of data can be stored and shared among a group of users; materials, body attributes, and analysis conditions

#### CAD Translator

Supports various kinds of CAD formats to import and export, and lets you use the data on hand straight away.

#### Multiphysics

In addition to the electric field analysis, Femtet has solvers for the magnetic field and the thermal conductivity. A coupled analysis of these solvers is possible.