Free 2D field solver

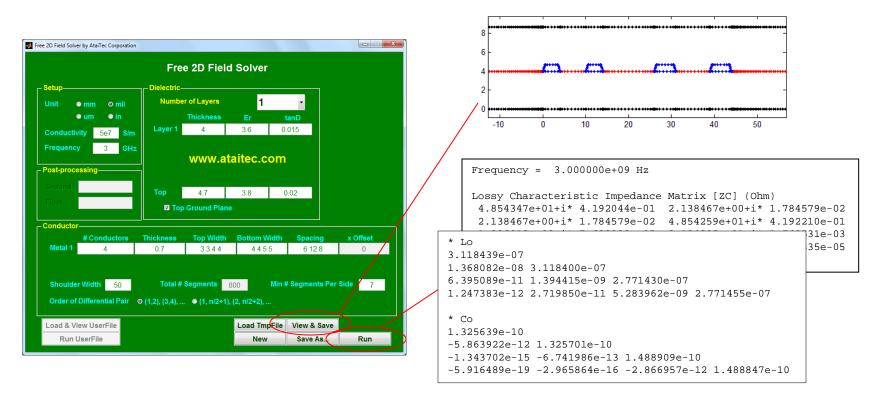
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Features

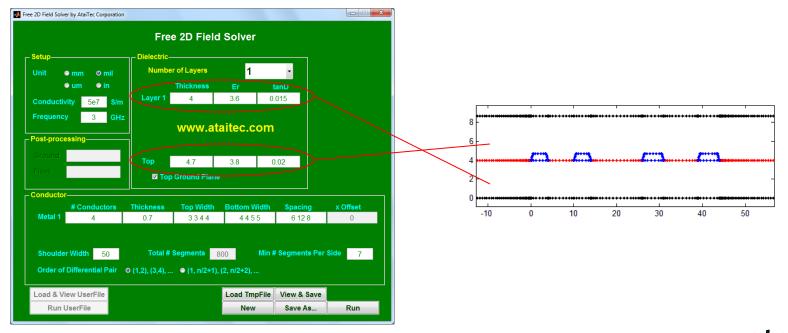
Compute impedance and create W-element RLGC models for microstrip or striplines with trapezoidal cross section and mixed width/spacing.





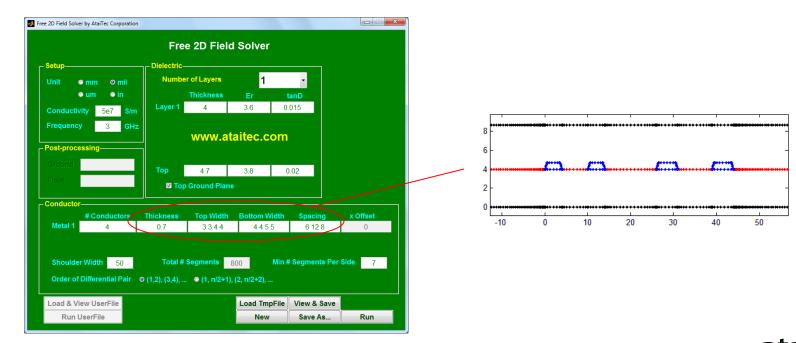
Dielectric layers

- Bottom ground plane is assumed to be present.
 Air is assumed for the background dielectric.
- The user specifies the dielectric stack (the bottom and top layers) by entering thickness, dielectric constant (Er) and loss tangent (tanD).



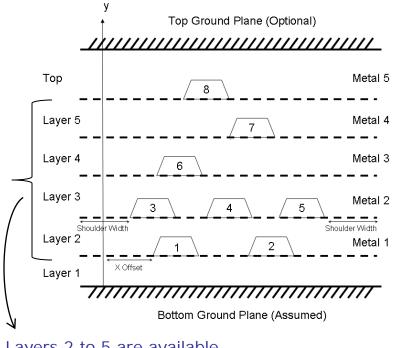
Conductor width and spacing

Conductors sit on the top of bottom dielectric layer. All thickness, top width, bottom width and spacing can be entered in scalar or vector. Each conductor can be assigned different thickness, width and spacing through vectored inputs.



Conductor's numbering sequence

Conductors are numbered from left to right and from bottom to top.



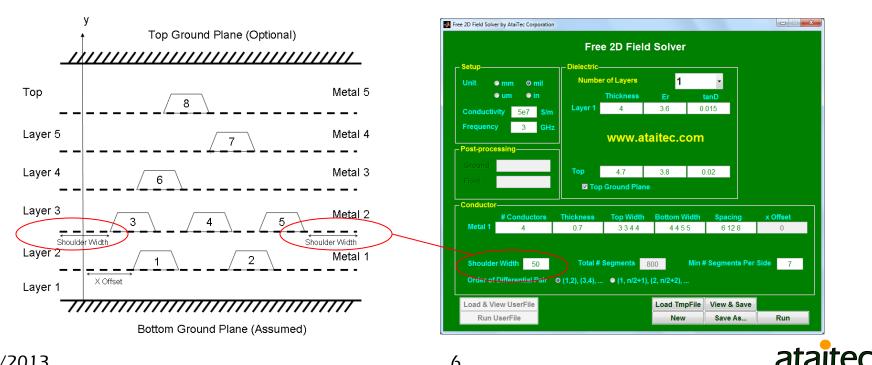


Layers 2 to 5 are available only through ADK.



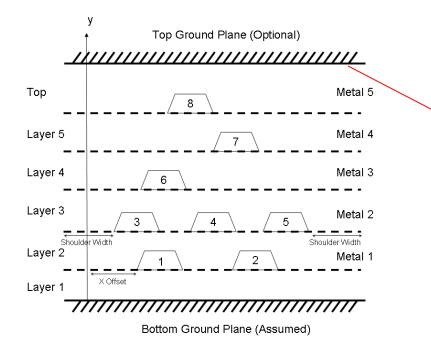
Shoulder width

Dielectric interface is extended up to the shoulder width from the leftmost and rightmost conductors. To mimic infinite dielectric interface, 5x or more vertical + horizontal dimension can be used for shoulder width.



Top ground plane

Top ground plane can be turned on/off to simulate stipline or microtrip.







Advanced features

ADK is required to simulate coplanar waveguide, floating conductors, multiple dielectrics or arbitrary cross section.

