Creating EZNEC / NEC Model Files

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Define geometry: wire endpoints, diameter, and segmentation count.

Use at least 20 segments per half-wave; keep segment length <= 0.05 lambda.

Specify ground type: free space, perfect ground, or real ground.

Add excitation: voltage source at feed segment (end or center).

Set frequency sweep and output requests (gain, impedance, current).

Run the model and inspect current distribution for irregularities.

Adjust segmentation if currents show sharp discontinuities.

Save the file in .EZ or .NEC format with comments for revisions.