



Dipole Antenna Example



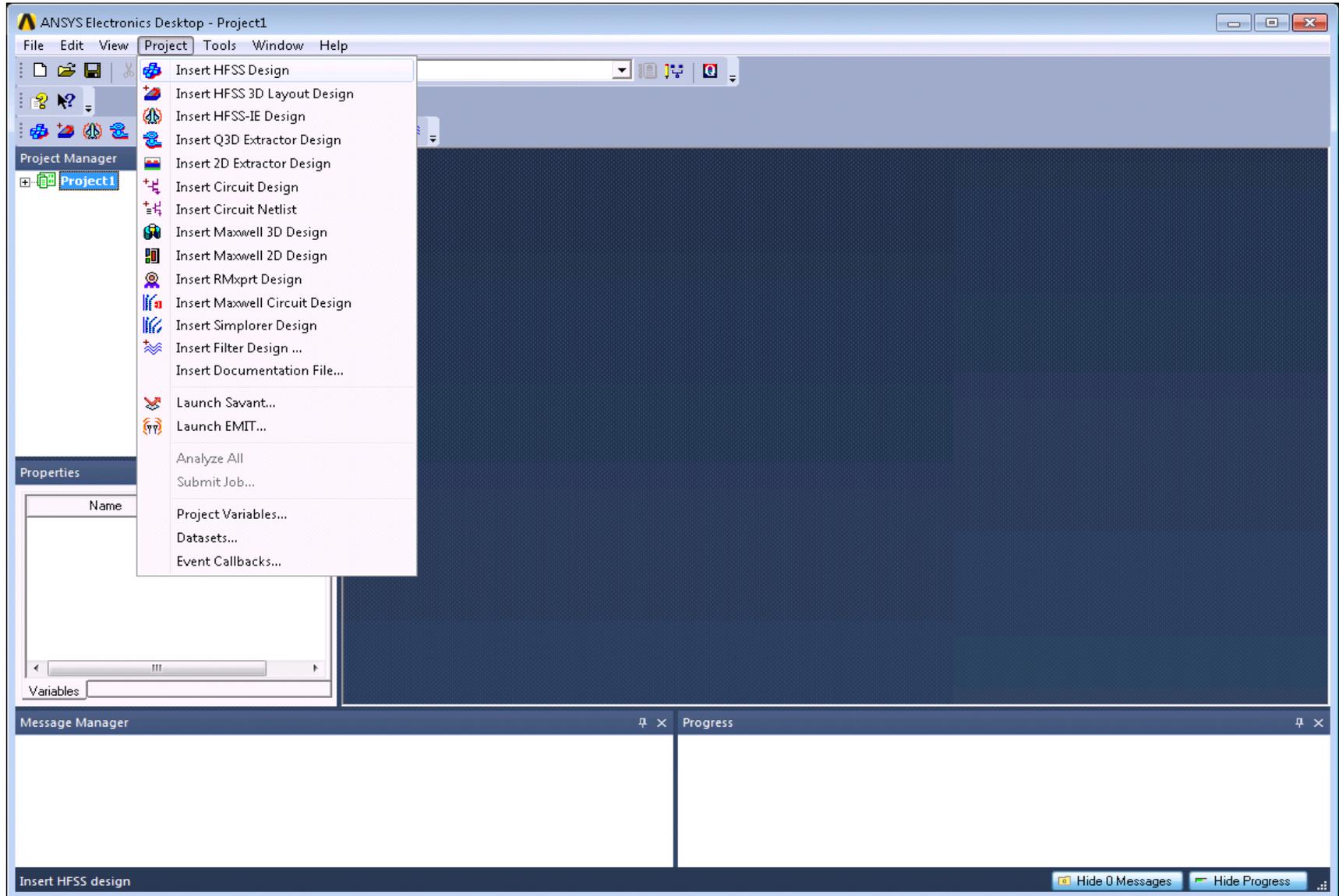
Release 2020 R2

**Simulación
Electromagnética con
ANSYS para el diseño
electrónico
1ª Edición**

Prof. Andrés Roldán Aranda

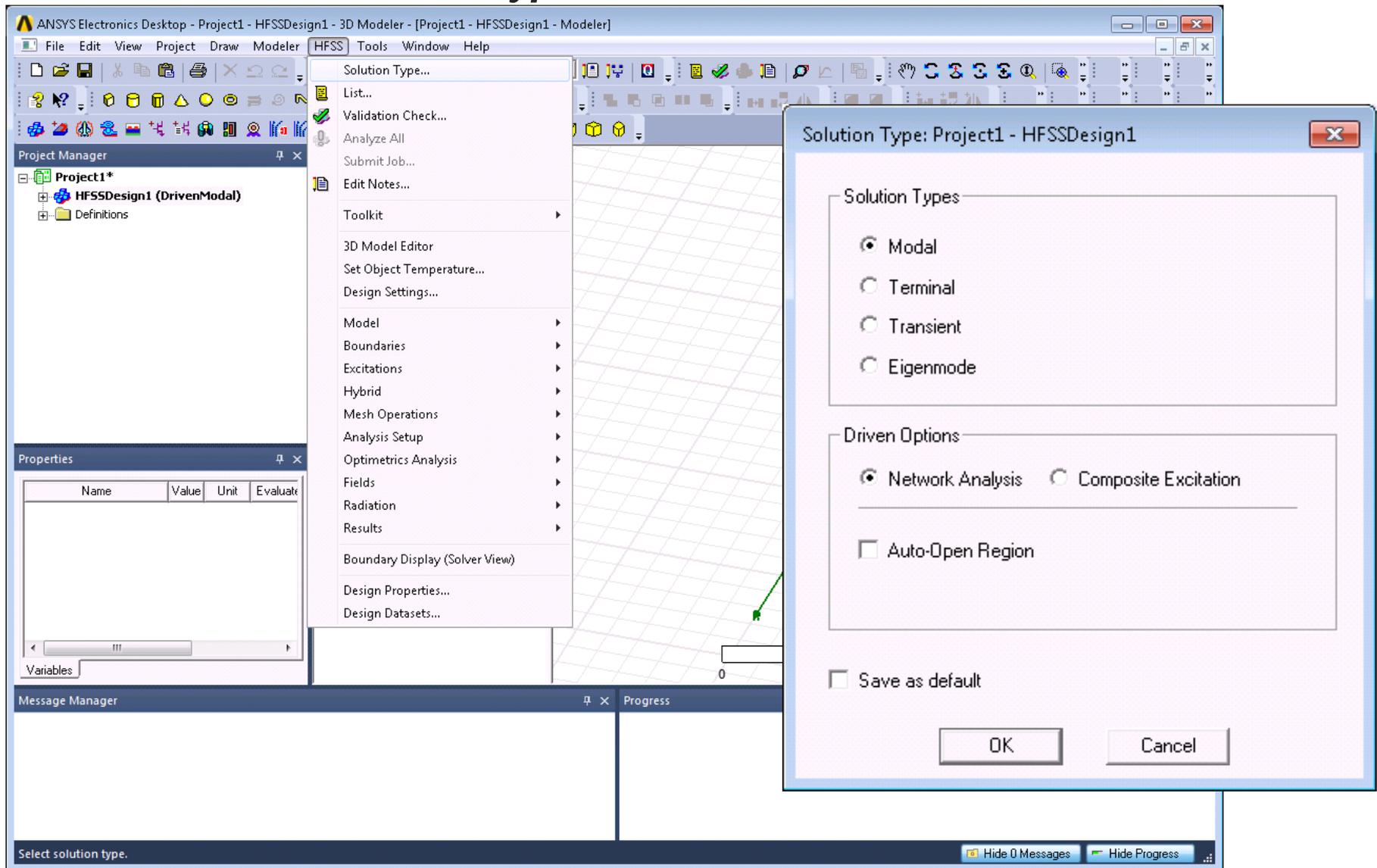
1: Create HFSS Project

- ▶ Insert into Electronics Desktop using **Project > Insert HFSS Design**



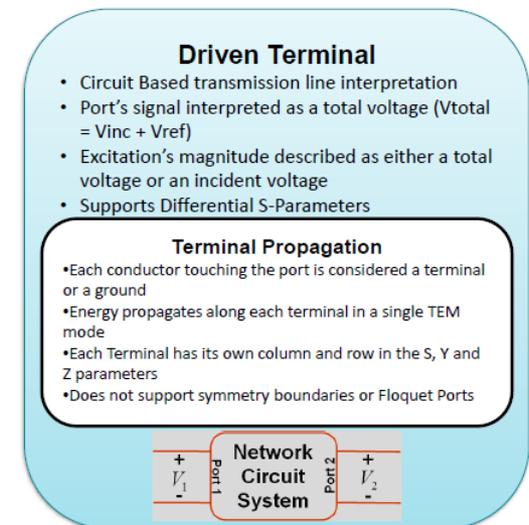
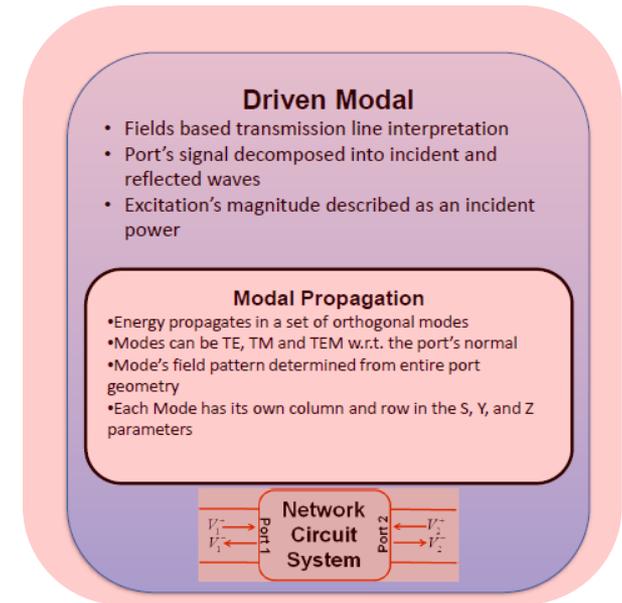
2: Set Driven Modal Solution Type

► Select *HFSS* > *Solution Type* > *Modal*



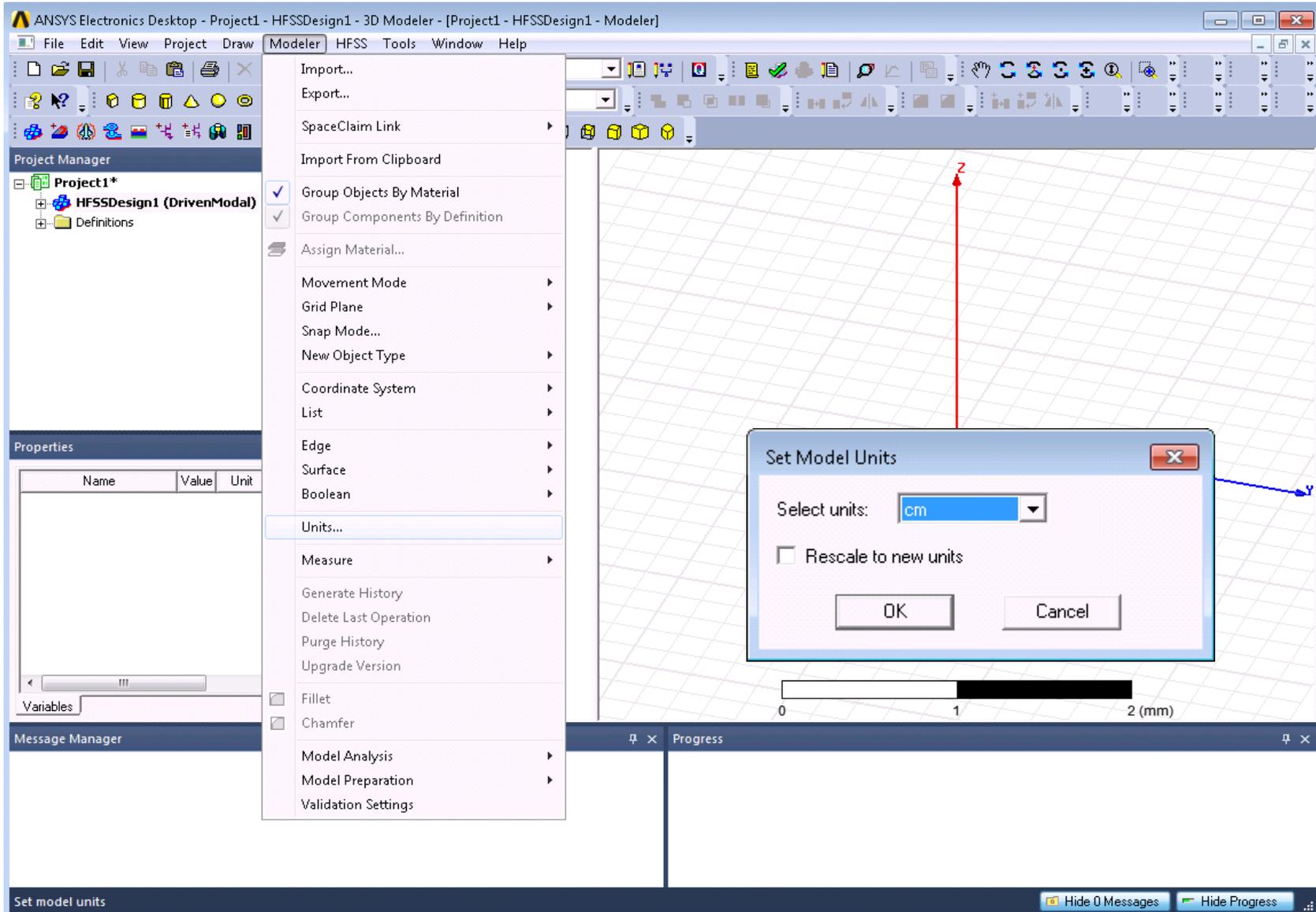
Tipos de soluciones disponibles

- ▶ Eigenmode solution
 - Solves for natural resonances of structure based on geometry, materials, and boundaries
 - Provides modal frequencies, unloaded Q-factors, and fields
- ▶ Driven solution
 - Port or incident field used to excite the structure
 - *Driven modal* method commonly used for RF/microwave designs
 - *Driven terminal* method commonly used for multi-conductor transmission lines
 - Provides S-parameters and fields



3: Set Model Units

► Select *Modeler* > *Units* > *cm*



Más contenidos en el Curso