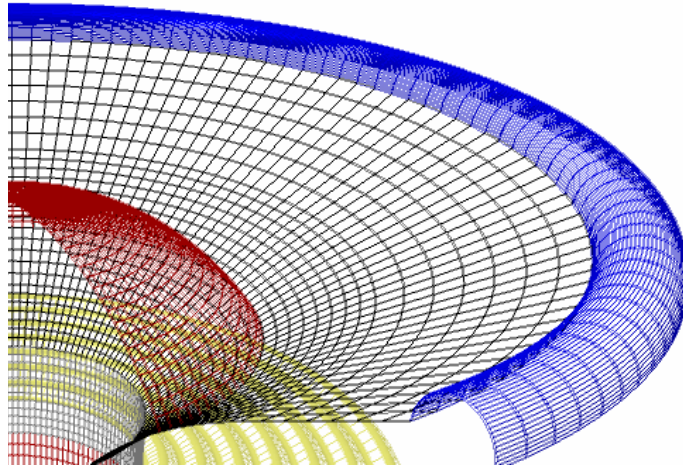


FINECone™ FEM Simulation Steps

Finite Element Modelling



- **Import DXF Geometry**
- **Apply Material parameters to segments (from Material Database)**
- **Input Electrical Parameters**
- **Perform FEM Calculation**
- **Display Frequency and Imp. Responses**
- **Animate Break-up Modes in 3D**

FINECone™ Applications

- **Curvilinear Cone Analysis**
- **Variable Cone Thickness**
- **Bent Cone Edge**
- **Cone Reinforcement Ribs**
- **Complex Curve Cones**
- **Sandwich Cones**
- **Inverted Cones**
- **Virtual Cone Material Analysis**
- **Exotic Materials: Carbon, Boron, Beryllium etc.**
- **Large Dust Cap Analysis**
- **Inverted Dust Cap**
- **Whizzer Cones**
- **Glue Joint Modelling**
- **Up- and down Roll Surrounds with Compliance**
- **Variable thickness Surrounds**
- **S-shape and M-shape Surrounds**
- **Asymmetric / Variable Surround Geometries**
- **Dome Tweeter Simulations above 50 kHz**
- **Inverted Dome Simulations**
- **Domes having smaller than dome Voice Coils**
- **W-Cones**
- **Mini Speakers and Headphones**
- **Micro Receivers for Mobile Phones**
- **Infra- and Ultrasound Simulations 1-100 kHz**
- **Spider Compliance Calculations**
- **Voice coil- and Former Mass and Stiffness**
- **Impedance Calculation with reflections**
- **Dispersion Analysis**