Two Dimensional Meshing Examples

Name	Description	Outer Boundary	Inner boundaries	Chain	Parametric Equation	Circular Arc	Spline	Line	Refinement Center	Refinement Line	Multiple Materials
All Features	Toy example that exercises all features available	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗
Bone and Marrow	Large circular domain with two embedded interior boundaries	✓	2	✗	✓	✗	✗	✗	✓	✓	✓
Box with refinement	Square domain with refinement regions	✗	✗	✗	✗	✗	✗	✗	✓	✓	✗
Cavity Ramp	A cavity domain with a sloping ramp on the exit side	✓	✗	✓	✗	✗	✗	✓	✗	✗	✗
Circles3	Three circles enclosed by a large circle	✓	3	✗	✓	✗	✗	✗	✗	✗	✗
East Coast US	Portion of East coast of USA from NYC to Jacksonville	✓	✗	✓	✗	✓	✗	✗	✗	✗	✗
Ellipse and 4 Circles	Four circles enclosed by a large ellipse	✓	4	✗	✓	✗	✗	✗	✗	✗	✗
Gingerbread Man	Geometry with lots of holes	✓	6	✗	✗	✗	✓	✓	✗	✗	✗
Half Circle	Upper half circle	✓	✗	✓	✗	✗	✗	✓	✗	✗	✗
Indian Ocean	Complex domain with islands and inlets	✓	3	✗	✗	✗	✓	✗	✗	✗	✗
KT3 Element	Three element Karman-Treffitz airfoil	✗	3	✗	✗	✗	✓	✗	✗	✗	✗
NACA0012	Standard Airfoil geometry	✗	1	✗	✓	✗	✗	✗	✓	✗	✗
Pill	Oblong domain with interior circles	✓	3	✓	✗	✓	✗	✓	✗	✗	✗
Spline Geometry	Free form domain defined as a spline	✓	✗	✗	✗	✗	✓	✗	✗	✗	✗
SuperiorMain	Coastline of Lake Superior	✓	✗	✗	✗	✗	✓	✗	✗	✗	✗
Square	Uniform Cartesian mesh	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗