







44. -45.

Parameters and creating of mesh.

3D Tetrahedral: 4-sides elements and size parameter: 5.

OK and mesh will be created.

46. - 47.

Before create mesh for last volume part.

Mash Mating: select all 3 volume parts and confirm. It is setting for elements continue between neighboring meshes.

Mash Mating is in history tree.

48. – 52.

Create mesh for last volume part.

Linear 4-sides element, size parameter: 10.

Transition with Pyramid Elements: confirm for 6-sides elements continuing to pyramid elements.

Pyramid elements can continue to 4-sides elements.

Mesh update.

53. – 58.

Material – Physical Properties.

Geometry is defined by mesh.

Physical Properties: define of the material for object PSOLID1 – it is all mesh.

Material is possible use from share NX database: NX - Library Materials.

Or it is possible to create a new one – Local Materials.

59.

FEM: define volume part through:

Mesh (geometry)

Material parameters (material)

All is in FEM history - Simulation Navigator.

Next step is go to SIM (simulation).