

25.4 AN EXAMPLE PROBLEM FOR STRESS

The input data and the computer output for a small two-dimensional elasticity problem are given in this section. The problem consists of a plate with a load applied over a segment of one side and continuously supported along the opposite side (Figure 25.3). The elements and node numbers are given in Figure 25.4.

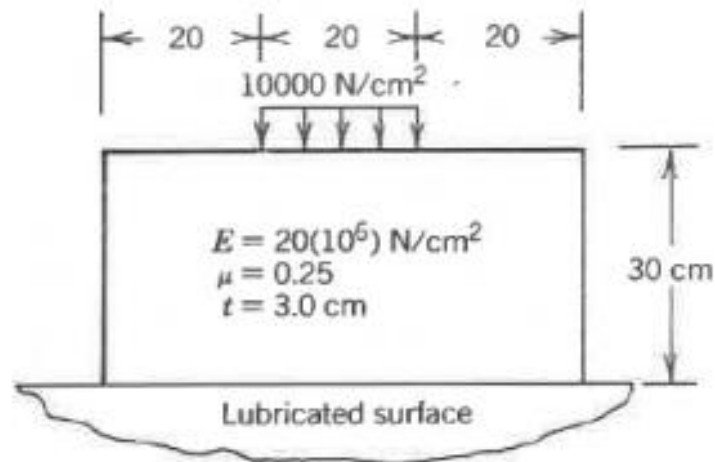


Figure 25.3. A thin plate with a distributed load over part of one side.

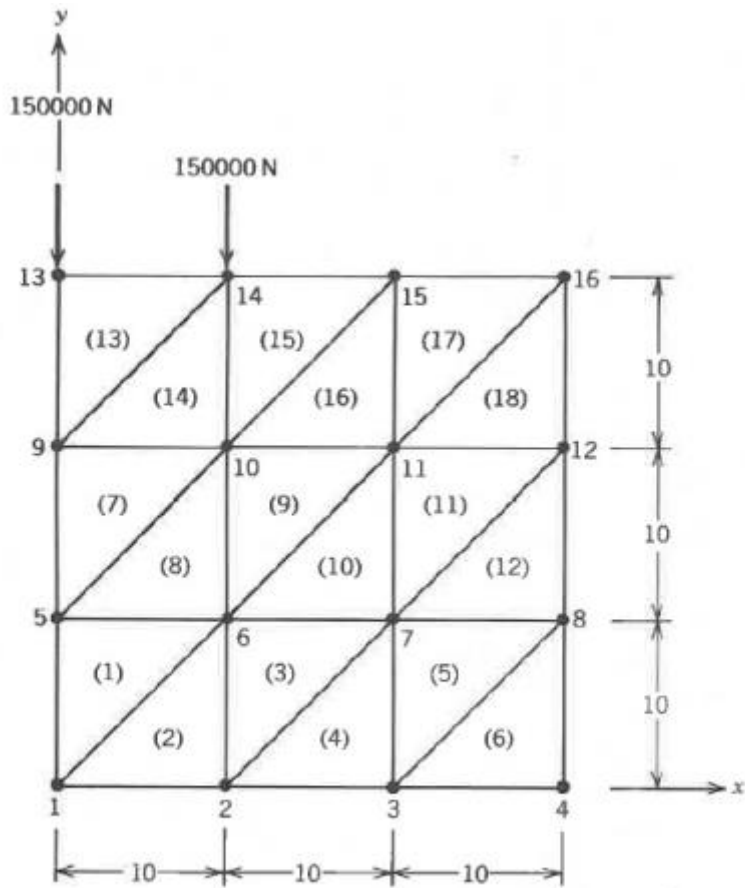
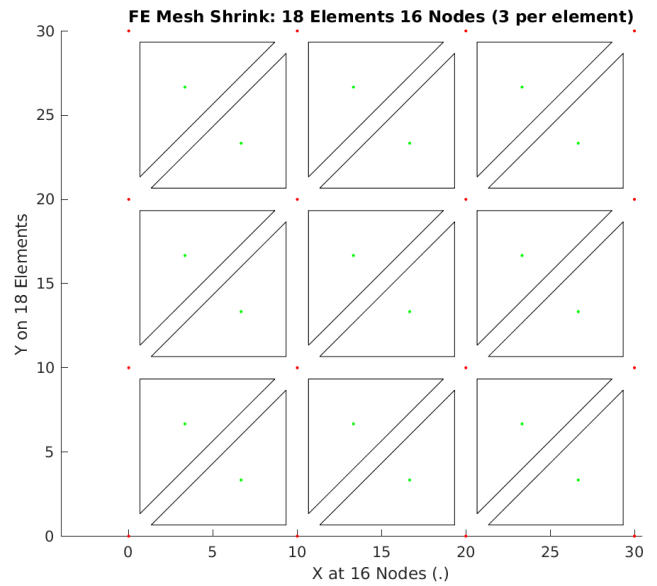
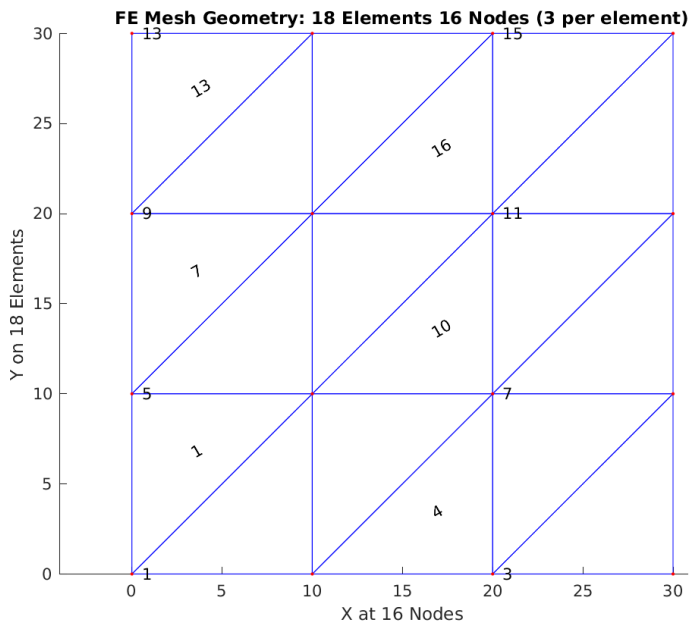


Figure 25.4. The finite element grid for the partially loaded plate.



FE Mesh; 16 Nodes, 7 with BC or MPC flags

