**ME 7620 Astrit Imeri**

**Assignment**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | 1x1 | | 2x2 | | 4x4 | | 2x2 | |
| Linear | | Linear | | Linear | | Quadratic | |
| **a/h** | **Integ** | **w** | **σxx** | **w** | **σxx** | **w** | **σxx** | **w** | **σxx** |
| 10 | F | 9.64E-05 | 1.82E+00 | 2.47E-05 | 1.18E+01 | 3.88E-05 | 2.16E+01 | 4.76E-05 | 2.45E+01 |
| R | 3.91E-05 | 9.53E+00 | 4.71E-05 | 2.35E+01 | 4.77E-05 | 2.66E+01 | 4.79E-05 | 2.44E+01 |
| 20 | F | 2.16E-05 | 2.12E+00 | 7.66E-05 | 1.90E+01 | 1.89E-04 | 5.50E+01 | 3.64E-04 | 9.88E+01 |
| R | 2.94E-04 | 3.81E+01 | 3.62E-05 | 9.40E+01 | 3.68E-04 | 1.06E+02 | 3.70E-04 | 9.75E+01 |
| 50 | F | 5.59E-05 | 2.23E+00 | 2.28E-04 | 2.29E+01 | 8.15E-04 | 9.65E+01 | 5.50E-03 | 6.15E+02 |
| R | 4.50E-03 | 2.38E+02 | 5.60E-03 | 5.87E+02 | 5.70E-03 | 6.65E+02 | 5.70E-03 | 6.09E+02 |
| 100 | F | 1.12E-04 | 2.24E+00 | 4.69E-04 | 2.36E+01 | 1.80E-03 | 1.08E+02 | 4.18E-02 | 2.36E+03 |
| R | 3.58E-02 | 9.53E+02 | 4.46E-02 | 2.35E+03 | 4.55E-02 | 2.66E+03 | 4.52E-02 | 2.43E+03 |
| CPT(NC) |  | 5.64E-04 | 2.62E+02 | 4.86E-04 | 4.81E+02 | 4.64E-04 | 5.35E+02 |  |  |
| CPT© |  | 4.64E-04 | 2.96E+02 | 4.57E-04 | 4.88E+02 | 4.57E-04 | 5.36E+02 |  |  |

Exact solution: w=0.000457