

A LINE SEARCH ALGORITHM FOR MULTIPHYSICS PROBLEMS WITH FRACTURE DEFORMATION

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Fracture Points

Each column represents one of a fracture's eight vertices. Each fracture is defined by three consecutive lines, corresponding to the x, y and z coordinate. The 12 first lines define the four fractures used in all of the Section 4.2 simulations, while the last 12 lines define the four fractures used only for the cases with eight fractures.

5.18E-01	6.11E-01	6.67E-01	6.55E-01	5.80E-01	4.87E-01	4.30E-01	4.43E-01
8.31E-01	8.12E-01	7.37E-01	6.49E-01	6.00E-01	6.18E-01	6.94E-01	7.82E-01
6.39E-01	6.52E-01	6.36E-01	6.01E-01	5.67E-01	5.54E-01	5.70E-01	6.05E-01
4.43E-01	5.15E-01	6.08E-01	6.68E-01	6.59E-01	5.86E-01	4.93E-01	4.34E-01
7.20E-01	6.94E-01	6.77E-01	6.78E-01	6.97E-01	7.22E-01	7.40E-01	7.38E-01
2.29E-01	1.72E-01	1.84E-01	2.59E-01	3.53E-01	4.10E-01	3.97E-01	3.22E-01
2.36E-01	1.48E-01	1.03E-01	1.28E-01	2.08E-01	2.96E-01	3.41E-01	3.16E-01
9.84E-01	9.70E-01	8.98E-01	8.10E-01	7.57E-01	7.71E-01	8.44E-01	9.32E-01
2.57E-01	2.23E-01	1.79E-01	1.51E-01	1.56E-01	1.90E-01	2.34E-01	2.62E-01
5.28E-02	1.34E-01	2.27E-01	2.77E-01	2.56E-01	1.75E-01	8.18E-02	3.13E-02
8.13E-01	8.63E-01	8.42E-01	7.60E-01	6.67E-01	6.17E-01	6.38E-01	7.20E-01
2.56E-01	2.63E-01	2.71E-01	2.74E-01	2.71E-01	2.63E-01	2.56E-01	2.52E-01
7.95E-01	8.77E-01	9.01E-01	8.53E-01	7.61E-01	6.78E-01	6.54E-01	7.02E-01
1.66E-01	1.99E-01	2.55E-01	3.00E-01	3.09E-01	2.76E-01	2.20E-01	1.75E-01
7.23E-01	7.59E-01	8.33E-01	9.02E-01	9.26E-01	8.90E-01	8.16E-01	7.46E-01
4.62E-01	5.16E-01	5.68E-01	5.89E-01	5.66E-01	5.12E-01	4.60E-01	4.39E-01
8.14E-01	7.36E-01	6.79E-01	6.78E-01	7.32E-01	8.10E-01	8.67E-01	8.69E-01
7.64E-01	7.51E-01	8.08E-01	9.01E-01	9.77E-01	9.90E-01	9.33E-01	8.40E-01
1.62E-01	2.14E-01	2.72E-01	3.01E-01	2.85E-01	2.33E-01	1.75E-01	1.45E-01
6.23E-01	6.43E-01	5.94E-01	5.03E-01	4.24E-01	4.03E-01	4.53E-01	5.44E-01
5.95E-01	5.17E-01	4.59E-01	4.55E-01	5.07E-01	5.84E-01	6.42E-01	6.46E-01
2.75E-01	2.04E-01	1.86E-01	2.32E-01	3.15E-01	3.86E-01	4.03E-01	3.57E-01
6.40E-01	5.78E-01	4.88E-01	4.23E-01	4.21E-01	4.83E-01	5.73E-01	6.38E-01
1.35E-01	1.20E-01	1.47E-01	2.00E-01	2.48E-01	2.63E-01	2.36E-01	1.83E-01

