Table 3: Comparison of SEA and PCF for regular and Voronoi multi-cell tubes under an axial crushing load

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | | SEA | | | | PCF | |
| Number of cells | Voronoi | Regular | | % | Voronoi | Regular | | % |
| 4 | 33.87 | 33.16 | | 2.14 | 196.11 | 200.73 | | -2.30 |
| 9 | 35.71 | 34.62 | | 3.15 | 193.98 | 202.56 | | -4.24 |
| 16 | 41.61 | 37.43 | | 11.17 | 203.82 | 206.24 | | -1.17 |
| 25 | 42.88 | 40.07 | | 7.01 | 199.71 | 205.73 | | -2.93 |
| 36 | 43.83 | 42.05 | | 4.23 | 202.45 | 205.62 | | -1.54 |
| 49 | 47.94 | 44.43 | | 7.90 | 237.12 | 239.98 | | -1.19 |