|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  | | | | **δσ [%]** | | | |
| **Number of deformation modes** | | | | **Number of deformation modes** | | | |
| **Node** | **30** | **50** | **100** | **200** | **30** | **50** | **100** | **200** |
| **CASE 1B** | | | | | | | | | |
| **1** | 5.93 | 5.31 | 5.80 | 5.56 | 5.96 | 10.50 | 2.27 | 6.30 | 0.45 |
| **2** | 22.14 | 22.24 | 22.02 | 22.01 | 22.08 | 0.44 | 0.56 | 0.61 | 0.27 |
| **3** | 6.09 | 6.18 | 6.37 | 6.07 | 6.20 | 1.60 | 4.74 | 0.29 | 1.83 |
| **4** | 13.25 | 12.51 | 13.25 | 13.18 | 13.33 | 5.63 | 0.02 | 0.53 | 0.56 |
| **5** | 7.70 | 7.34 | 7.55 | 7.30 | 7.77 | 4.70 | 1.93 | 5.13 | 0.87 |
| **6** | 25.40 | 25.42 | 26.22 | 26.94 | 24.59 | 0.10 | 3.25 | 6.07 | 3.17 |
| **7** | 10.91 | 10.65 | 10.78 | 10.78 | 10.93 | 2.42 | 1.17 | 1.22 | 0.18 |
| **8** | 6.37 | 6.31 | 6.12 | 6.20 | 6.39 | 0.99 | 4.00 | 2.64 | 0.31 |
| **9** | 8.86 | 7.92 | 8.65 | 8.69 | 8.87 | 10.57 | 2.37 | 1.83 | 0.13 |
| **MEAN** | - | - | - | - | - | **4.10** | **2.26** | **2.74** | **0.86** |
| **CASE 2B** | | | | | | | | | |
| **1** | 5.00 | 5.34 | 5.49 | 5.11 | 4.86 | 6.83 | 9.87 | 2.30 | 2.72 |
| **2** | 26.06 | 25.82 | 26.10 | 26.08 | 26.05 | 0.93 | 0.15 | 0.06 | 0.04 |
| **3** | 4.19 | 5.10 | 4.10 | 4.23 | 4.09 | 21.79 | 2.22 | 1.04 | 2.27 |
| **4** | 9.00 | 9.02 | 9.09 | 9.03 | 8.98 | 0.17 | 0.98 | 0.36 | 0.27 |
| **5** | 2.04 | 2.20 | 1.96 | 1.94 | 2.11 | 7.87 | 3.55 | 4.66 | 3.81 |
| **6** | 13.71 | 14.90 | 14.93 | 13.38 | 13.77 | 8.69 | 8.87 | 2.45 | 0.43 |
| **7** | 3.21 | 3.23 | 3.23 | 3.19 | 3.20 | 0.52 | 0.57 | 0.71 | 0.31 |
| **8** | 2.96 | 2.67 | 3.10 | 3.00 | 2.97 | 9.68 | 5.01 | 1.47 | 0.46 |
| **9** | 23.27 | 22.79 | 23.12 | 23.19 | 23.29 | 2.07 | 0.63 | 0.34 | 0.09 |
| **MEAN** | - | - | - | - | - | **6.51** | **3.54** | **1.49** | **1.16** |
| **CASE 3B** | | | | | | | | | |
| **1** | 1.98 | 1.78 | 2.35 | 2.02 | 1.80 | 10.47 | 18.44 | 1.90 | 9.29 |
| **2** | 0.91 | 0.95 | 0.72 | 0.91 | 0.98 | 3.67 | 21.38 | 0.41 | 8.04 |
| **3** | 1.41 | 1.95 | 1.36 | 1.47 | 1.44 | 38.24 | 3.41 | 3.76 | 2.14 |
| **4** | 0.62 | 1.27 | 0.51 | 0.63 | 0.62 | 105.10 | 17.50 | 1.46 | 0.38 |
| **5** | 1.36 | 1.12 | 1.50 | 1.31 | 1.39 | 17.93 | 10.01 | 3.61 | 1.53 |
| **6** | 8.21 | 4.84 | 7.64 | 9.95 | 7.73 | 41.06 | 6.96 | 21.15 | 5.79 |
| **7** | 1.58 | 1.29 | 1.61 | 1.49 | 1.58 | 18.23 | 1.85 | 5.46 | 0.06 |
| **8** | 1.21 | 1.08 | 1.09 | 1.12 | 1.22 | 10.86 | 10.32 | 7.35 | 0.52 |
| **9** | 1.86 | 1.51 | 1.64 | 1.77 | 1.79 | 18.86 | 12.31 | 5.08 | 4.18 |
| **MEAN** | - | - | - | - | - | **29.38** | **11.35** | **5.58** | **3.55** |