**Lampiran B**

**Tabel B.4.1 Modal Periode dan Frequensi *Fixed Base***

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **TABLE: Modal Periods And Frequencies** | | | |  |  |  |
| **OutputCase** | **StepType** | **StepNum** | **Period** | **Frequency** | **CircFreq** | **Eigenvalue** |
| Text | Text | Unitless | Sec | Cyc/sec | rad/sec | rad2/sec2 |
| MODAL | Mode | 1 | 0.781058 | 1.280315 | 8.044456 | 64.71328 |
| MODAL | Mode | 2 | 0.768397 | 1.30141 | 8.177 | 66.86333 |
| MODAL | Mode | 3 | 0.208421 | 4.797971 | 30.14654 | 908.8138 |
| MODAL | Mode | 4 | 0.206183 | 4.850057 | 30.47381 | 928.6529 |
| MODAL | Mode | 5 | 9.76E-02 | 10.241 | 64.3461 | 4140.42 |
| MODAL | Mode | 6 | 9.68E-02 | 10.32547 | 64.87683 | 4209.003 |
| MODAL | Mode | 7 | 8.75E-02 | 11.42259 | 71.77022 | 5150.964 |
| MODAL | Mode | 8 | 6.58E-02 | 15.18875 | 95.43373 | 9107.597 |
| MODAL | Mode | 9 | 5.30E-02 | 18.85081 | 118.4431 | 14028.77 |
| MODAL | Mode | 10 | 3.21E-02 | 31.15219 | 195.735 | 38312.18 |
| MODAL | Mode | 11 | 0.026864 | 37.22406 | 233.8857 | 54702.5 |
| MODAL | Mode | 12 | 1.89E-02 | 52.87641 | 332.2323 | 110378.3 |

**Tabel B.4.2 Modal Periode dan Frequensi *Fixed Base* Dengan *Base Isolator***

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **TABLE: Modal Periods And Frequencies** | | | |  |  |  |
| **OutputCase** | **StepType** | **StepNum** | **Period** | **Frequency** | **CircFreq** | **Eigenvalue** |
| Text | Text | Unitless | Sec | Cyc/sec | rad/sec | rad2/sec2 |
| MODAL | Mode | 1 | 1.796647 | 0.55659 | 3.4972 | 12.23 |
| MODAL | Mode | 2 | 1.791433 | 0.55821 | 3.5074 | 12.302 |
| MODAL | Mode | 3 | 1.519059 | 0.6583 | 4.1362 | 17.108 |
| MODAL | Mode | 4 | 0.317702 | 3.1476 | 19.777 | 391.13 |
| MODAL | Mode | 5 | 0.297556 | 3.3607 | 21.116 | 445.89 |
| MODAL | Mode | 6 | 0.088531 | 11.295 | 70.971 | 5036.9 |
| MODAL | Mode | 7 | 0.060283 | 16.588 | 104.23 | 10863 |
| MODAL | Mode | 8 | 0.015719 | 63.618 | 399.72 | 159780 |
| MODAL | Mode | 9 | 0.010846 | 92.204 | 579.33 | 335630 |
| MODAL | Mode | 10 | 0.00967 | 103.41 | 649.75 | 422170 |
| MODAL | Mode | 11 | 0.007802 | 128.16 | 805.28 | 648480 |
| MODAL | Mode | 12 | 0.00659 | 151.75 | 953.47 | 909100 |

**Lampiran B**

**Tabel B.4.3 Modal Periode dan Frequensi *Shear Wall***

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **TABLE: Modal Periods And Frequencies** | | | |  |  |  |
| **OutputCase** | **StepType** | **StepNum** | **Period** | **Frequency** | **CircFreq** | **Eigenvalue** |
| Text | Text | Unitless | Sec | Cyc/sec | rad/sec | rad2/sec2 |
| MODAL | Mode | 1 | 0.988378 | 1.0118 | 6.3571 | 40.412 |
| MODAL | Mode | 2 | 0.972371 | 1.0284 | 6.4617 | 41.754 |
| MODAL | Mode | 3 | 0.264416 | 3.7819 | 23.762 | 564.66 |
| MODAL | Mode | 4 | 0.261589 | 3.8228 | 24.019 | 576.93 |
| MODAL | Mode | 5 | 0.123859 | 8.0737 | 50.728 | 2573.4 |
| MODAL | Mode | 6 | 0.122849 | 8.1401 | 51.146 | 2615.9 |
| MODAL | Mode | 7 | 0.119815 | 8.3462 | 52.441 | 2750 |
| MODAL | Mode | 8 | 0.087091 | 11.482 | 72.145 | 5204.9 |
| MODAL | Mode | 9 | 0.068468 | 14.605 | 91.768 | 8421.3 |
| MODAL | Mode | 10 | 0.047493 | 21.056 | 132.3 | 17503 |
| MODAL | Mode | 11 | 0.03781 | 26.448 | 166.18 | 27615 |
| MODAL | Mode | 12 | 0.028581 | 34.989 | 219.84 | 48330 |

**Tabel B.4.4 Modal Periode dan Frequensi *Shear Wall* Dengan *Base Isolator***

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **TABLE: Modal Periods And Frequencies** | | | |  |  |  |
| **OutputCase** | **StepType** | **StepNum** | **Period** | **Frequency** | **CircFreq** | **Eigenvalue** |
| Text | Text | Unitless | Sec | Cyc/sec | rad/sec | rad2/sec2 |
| MODAL | Mode | 1 | 2.464822 | 0.40571 | 2.5491 | 6.4981 |
| MODAL | Mode | 2 | 2.264647 | 0.44157 | 2.7745 | 7.6977 |
| MODAL | Mode | 3 | 2.257921 | 0.44289 | 2.7827 | 7.7436 |
| MODAL | Mode | 4 | 0.461361 | 2.1675 | 13.619 | 185.47 |
| MODAL | Mode | 5 | 0.453978 | 2.2028 | 13.84 | 191.55 |
| MODAL | Mode | 6 | 0.422114 | 2.369 | 14.885 | 221.56 |
| MODAL | Mode | 7 | 0.168291 | 5.9421 | 37.335 | 1393.9 |
| MODAL | Mode | 8 | 0.166334 | 6.012 | 37.775 | 1426.9 |
| MODAL | Mode | 9 | 0.121976 | 8.1983 | 51.512 | 2653.5 |
| MODAL | Mode | 10 | 0.087821 | 11.387 | 71.545 | 5118.7 |
| MODAL | Mode | 11 | 0.054903 | 18.214 | 114.44 | 13097 |
| MODAL | Mode | 12 | 0.037892 | 26.391 | 165.82 | 27496 |