

| In-phase | n | Tges | T    | f    | w           |             |
|----------|---|------|------|------|-------------|-------------|
|          |   | 20   | 20.6 | 1.03 | 0.970873786 | 6.10017991  |
|          |   |      | 21   | 1.05 | 0.952380952 | 5.983986007 |
|          |   |      | 21   | 1.05 | 0.952380952 | 5.983986007 |
|          |   |      | 20.8 | 1.04 | 0.961538462 | 6.041524334 |

| Opposite in-phase | n  | Tges | T     | f           | w           |             |
|-------------------|----|------|-------|-------------|-------------|-------------|
|                   |    | 20   | 19.4  | 0.97        | 1.030927835 | 6.477510626 |
|                   |    |      | 19    | 0.95        | 1.052631579 | 6.613879271 |
|                   |    |      | 19    | 0.95        | 1.052631579 | 6.613879271 |
|                   |    |      | 19    | 0.95        | 1.052631579 | 6.613879271 |
|                   | 50 | 48.2 | 0.964 | 1.037344398 | 6.517827082 | 6.517827082 |
|                   |    | 48.2 | 0.964 | 1.037344398 | 6.517827082 | 6.517827082 |

| Paraphase | n  | Tges | T     | f           | w           |
|-----------|----|------|-------|-------------|-------------|
|           | 20 | 20   | 1     | 1           | 6.283185307 |
|           |    | 20   | 1     | 1           | 6.283185307 |
|           |    | 20.4 | 1.02  | 0.980392157 | 6.159985595 |
|           |    | 20   | 1     | 1           | 6.283185307 |
|           | 50 | 48   | 0.96  | 1.041666667 | 6.544984695 |
|           |    | 48.2 | 0.964 | 1.037344398 | 6.517827082 |

| Beat | n | Tges | T_s  | f     | w           |             |
|------|---|------|------|-------|-------------|-------------|
|      |   | 5    | 63.5 | 12.7  | 0.078740157 | 0.494739001 |
|      |   |      | 64   | 12.8  | 0.078125    | 0.490873852 |
|      |   |      | 63.8 | 12.76 | 0.078369906 | 0.492412642 |
|      |   |      | 63   | 12.6  | 0.079365079 | 0.498665501 |

| coupling moment | dx1[cm] | dx_2[cm] | phi1 | phi2   | k      |            |
|-----------------|---------|----------|------|--------|--------|------------|
|                 |         | 0.45     | 5    | 0.8496 | 9.4824 | 0.08959757 |