|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Percesija: Utez ob krogli** | | | | | | | |
|
| **Frekvenca [RPM]** | **ωz [1/s]** | **t1 [s]** | **t2 [s]** | **ωpr1 [1/s]** | **ωpr2 [1/s]** | **ωpr [1/s]** | **Δωpr [1/s]** |
| 1386 | 145,14 | 4,7 | 5 | 1,34 | 1,26 | 1,3 | 0,04 |
| 1415 | 148,18 | 5,2 | 4,9 | 1,21 | 1,28 | 1,25 | 0,04 |
| 1475 | 154,46 | 5,2 | 5,4 | 1,21 | 1,16 | 1,19 | 0,03 |
| 1518 | 158,96 | 4,8 | 5,1 | 1,31 | 1,23 | 1,27 | 0,04 |
| 1550 | 162,32 | 5,3 | 5 | 1,19 | 1,26 | 1,23 | 0,04 |
| 1570 | 164,41 | 5,2 | 5,3 | 1,21 | 1,19 | 1,2 | 0,01 |

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| **Percesija: Utez oddaljena 1.5 cm od krogle** | | | | | | | |
|
| **Frekvenca [RPM]** | **ωz [1/s]** | **t1 [s]** | **t2 [s]** | **ωpr1 [1/s]** | **ωpr2 [1/s]** | **ωpr [1/s]** | **Δωpr [1/s]** |
| 1073 | 112,36 | 3,4 | 3,6 | 1,85 | 1,75 | 1,8 | 0,05 |
| 1140 | 119,38 | 3,7 | 3,5 | 1,7 | 1,8 | 1,75 | 0,05 |
| 1191 | 124,72 | 3,7 | 3,5 | 1,7 | 1,8 | 1,75 | 0,05 |
| 1211 | 126,82 | 3,8 | 3,6 | 1,65 | 1,75 | 1,7 | 0,05 |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Percesija: Utez oddaljena 2.5 cm od krogle** | | | | | | | |
|
| **Frekvenca [RPM]** | **ωz [1/s]** | **t1 [s]** | **t2 [s]** | **ωpr1 [1/s]** | **ωpr2 [1/s]** | **ωpr [1/s]** | **Δωpr [1/s]** |
| 1100 | 115,19 | 2,9 | 3,1 | 2,17 | 2,03 | 2,1 | 0,07 |
| 1224 | 128,18 | 3,5 | 3,7 | 1,8 | 1,7 | 1,75 | 0,05 |
| 1270 | 132,99 | 3,7 | 3,6 | 1,7 | 1,75 | 1,73 | 0,03 |
| 1465 | 153,41 | 4 | 4,2 | 1,57 | 1,5 | 1,54 | 0,04 |

|  |  |  |  |
| --- | --- | --- | --- |
| **Nutacija: Utez ob krogli** | | | |
|
| **ν [RPM]** | **ωz [1/s]** | **νN [RPM]** | **ωN [1/s]** |
| 830 | 86,92 | 363 | 38,01 |
| 996 | 104,3 | 391 | 40,95 |
| 1393 | 145,87 | 644 | 67,44 |

|  |  |  |  |
| --- | --- | --- | --- |
| **Nutacija: Utez oddaljena 1.5 cm od krogle** | | | |
|
| **ν [RPM]** | **ωz [1/s]** | **νN [RPM]** | **ωN [1/s]** |
| 1220 | 127,76 | 631 | 66,08 |
| 1467 | 153,62 | 709 | 74,25 |
| 938 | 98,23 | 480 | 50,27 |

|  |  |  |  |
| --- | --- | --- | --- |
| **Nutacija: Utez oddaljena 2.5 cm od krogle** | | | |
|
| **ν [RPM]** | **ωz [1/s]** | **νN [RPM]** | **ωN [1/s]** |
| 880 | 92,15 | 439 | 45,97 |
| 985 | 103,15 | 496 | 51,94 |
| 1107 | 115,92 | 567 | 59,38 |

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| --- | --- | --- |
| **Izracunana percesija: Utez ob krogli L = 3.8 cm** | | |
|
| **Frekvenca [RPM]** | **ωz [1/s]** | **ωpr [1/s]** |
| 1386 | 145,14 | 1,36 |
| 1415 | 148,18 | 1,33 |
| 1475 | 154,46 | 1,27 |
| 1518 | 158,96 | 1,24 |
| 1550 | 162,32 | 1,21 |
| 1570 | 164,41 | 1,2 |

|  |  |  |
| --- | --- | --- |
| **Izracunana percesija: Utez oddaljena 1.5cm; L = 4.00 cm** | | |
|
| **Frekvenca [RPM]** | **ωz [1/s]** | **ωpr [1/s]** |
| 1073 | 112,36 | 1,79 |
| 1140 | 119,38 | 1,68 |
| 1191 | 124,72 | 1,61 |
| 1211 | 126,82 | 1,58 |

|  |  |  |
| --- | --- | --- |
| **Izracunana percesija: Utez oddaljena 1.5cm; L = 4.00 cm** | | |
|
| **Frekvenca [RPM]** | **ωz [1/s]** | **ωpr [1/s]** |
| 1073 | 112,36 | 1,93 |
| 1140 | 119,38 | 1,82 |
| 1191 | 124,72 | 1,74 |
| 1211 | 126,82 | 1,71 |

|  |  |
| --- | --- |
| **Additional Data L = 3.8 cm** | |
|
| J33 [g cm^2] | 1400 |
| l [cm] | 0,49 |
| m [g] | 573 |
| g [cm/s^2] | 981 |
| J11 [g cm^2] | 2852 |

|  |  |
| --- | --- |
| **Additional Data L = 4.00 cm** | |
|
| J33 [g cm^2] | 1400 |
| l [cm] | 0,5 |
| m [g] | 573 |
| g [cm/s^2] | 981 |
| J11 [g cm^2] | 2856 |

|  |  |
| --- | --- |
| **Additional Data L = 5.00 cm** | |
|
| J33 [g cm^2] | 1400 |
| l [cm] | 0,54 |
| m [g] | 573 |
| g [cm/s^2] | 981 |
| J11 [g cm^2] | 2875 |

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| --- | --- | --- |
| **Izracunana Nutacija Utez ob krogli** | | |
|
| **ν [RPM]** | **ωz [1/s]** | **ωN [1/s]** |
| 830 | 86,92 | 42,67 |
| 996 | 104,3 | 51,2 |
| 1393 | 145,87 | 71,61 |

|  |  |  |
| --- | --- | --- |
| **Izracunana Nutacija: Utez oddaljena 1.5 cm od krogle** | | |
|
| **ν [RPM]** | **ωz [1/s]** | **ωN [1/s]** |
| 1220 | 127,76 | 62,63 |
| 1467 | 153,62 | 75,3 |
| 938 | 98,23 | 48,15 |

|  |  |  |
| --- | --- | --- |
| **Izracunana Nutacija: Utez oddaljena 2.5 cm od krogle** | | |
|
| **ν [RPM]** | **ωz [1/s]** | **ωN [1/s]** |
| 880 | 92,15 | 44,87 |
| 985 | 103,15 | 50,23 |
| 1107 | 115,92 | 56,45 |