|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Vmesni casi na 5 nihajev** | | | | | |
|
| **N** | **t[s]** | **t0 [s]** | **Δt0 [s]** |  |  |
| 1 | 14.77 | 2.954 | -0.0128 | 14.77 | t5 |
| 2 | 14.82 | 2.964 | -0.0028 | 29.59 | t10 |
| 3 | 14.93 | 2.986 | 0.0192 | 44.52 | t15 |
| 4 | 14.76 | 2.952 | -0.0148 | 59.28 | t20 |
| 5 | 14.97 | 2.994 | 0.0272 | 74.25 | t25 |
| 6 | 14.78 | 2.956 | -0.0108 | 89.03 | t30 |
| 7 | 14.89 | 2.978 | 0.0112 | 103.92 | t35 |
| 8 | 14.81 | 2.962 | -0.0048 | 118.73 | t40 |
| 9 | 14.85 | 2.97 | 0.0032 | 133.58 | t45 |
| 10 | 14.94 | 2.988 | 0.0212 | 148.52 | t50 |
| 11 | 14.83 | 2.966 | -0.0008 | 163.35 | t55 |
| 12 | 14.88 | 2.976 | 0.0092 | 178.23 | t60 |
| 13 | 14.30 | 2.86 | -0.1068 | 192.53 | t65 |
| 14 | 14.80 | 2.96 | -0.0068 | 207.33 | t70 |
| 15 | 14.83 | 2.966 | -0.0008 | 222.16 | t75 |
| 16 | 14.86 | 2.972 | 0.0052 | 237.02 | t80 |
| 17 | 14.91 | 2.982 | 0.0152 | 251.93 | t85 |
| 18 | 14.73 | 2.946 | -0.0208 | 266.66 | t90 |
| 19 | 14.93 | 2.986 | 0.0192 | 281.59 | t95 |
| 20 | 14.82 | 2.964 | -0.0028 | 296.41 | t100 |
| 21 | 14.89 | 2.978 | 0.0112 | 311.30 | t105 |
| 22 | 14.87 | 2.974 | 0.0072 | 326.17 | t110 |
| 23 | 14.78 | 2.956 | -0.0108 | 340.95 | t115 |
| 24 | 14.90 | 2.98 | 0.0132 | 355.85 | t120 |
| 25 | 14.79 | 2.958 | -0.0088 | 370.64 | t125 |
| 26 | 14.85 | 2.97 | 0.0032 | 385.49 | t130 |
| 27 | 14.94 | 2.988 | 0.0212 | 400.43 | t135 |
| 28 | 14.78 | 2.956 | -0.0108 | 415.21 | t140 |
| 29 | 14.95 | 2.99 | 0.0232 | 430.16 | t145 |
| 30 | 14.86 | 2.972 | 0.0052 | 445.02 | t150 |

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| **Dodatni podatki** | |
|
| Mirovna lega [cm] | 10.1 |
| A0 [cm] | 19.3 |
| A150 [cm] | 17.2 |
| t150 [s] | 444.68 |
| d [cm] | 0.309 |
| r [cm] | 0.1545 |
| h1 [cm] | 0.036 |
| h2 [cm] | 0.571 |
| Δh [cm] | 0.535 |
| a [cm] | 4.25 |
| l [cm] | 212.5 |
| R [cm] | 5.894 |
| V [cm3] | 857.668 |
| ρFe [g/cm3] | 7.874 |
| mk [g] | 6753.28 |
| α [rad] | 0.090948861 |
| l0 [cm] | 218.394 |
| ρjeklo [g/cm3] | 7.85 |
| mz [g] | 125.09 |
| ρzrak [g/cm3] | 0.001225 |
| β | 0.002276677 |
| A1 [cm] | 19.17017741 |
| Λ | 0.006749284 |
| k | 0.6 |
| t0 [s] | 2.964945 |

|  |  |  |  |
| --- | --- | --- | --- |
| **Popravki** | | | |
|
| **X** | **Popravek** | **g [m/s2]** | **%** |
| 1 | Natancnejsa formula | 9.817847823 | -0.11406 |
| 2 | Ne matematicno nihalo | 9.883297629 | -0.77553 |
| 3 | Vzgon zraka | 9.806173784 | 0.004856 |
| 4 | Dusenje | 9.80747624 | -0.00842 |
| 5 | Nihanje zraka | 9.806784204 | -0.00137 |
| All | Vse | 9.792865681 | 0.140759 |

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| --- | --- | --- | --- |
|  | **t** | **t0 [s]** | **Δt0 [s]** |
| t100 - t0 | 296.41 | 2.9641 | -0.00084545 |
| t105 - t5 | 296.53 | 2.9653 | 0.000354545 |
| t110 - t10 | 296.58 | 2.9658 | 0.000854545 |
| t115 - t15 | 296.43 | 2.9643 | -0.00064545 |
| t120 - t20 | 296.57 | 2.9657 | 0.000754545 |
| t125 - t25 | 296.39 | 2.9639 | -0.00104545 |
| t130 - t30 | 296.46 | 2.9646 | -0.00034545 |
| t135 - t35 | 296.51 | 2.9651 | 0.000154545 |
| t140 - t40 | 296.48 | 2.9648 | -0.00014545 |
| t145 - t45 | 296.58 | 2.9658 | 0.000854545 |
| t150 - t50 | 296.50 | 2.965 | 5.45455E-05 |
|  |  | 2.964945 | ± 0.0009 |