δ1 $a_n = \frac{v^2}{R} = 3.2$

$a = \sqrt{3.2^2 + 4} \approx 5.1$

3. $r = 0.1\,m$

$\varphi = 3 + 2t + t^3$

Найти: a_n, a_τ, a

$\omega = \varphi'(t) = 2 + 3t^2$

$v = \omega r = 0.2 + 0.3t^2$

$a_\tau = v'(t) = 0.6t$

Когда $t = 10\,s$:

$a_\tau = 6\ m/s^2$

$v = 30.2$

$a_n = \frac{v^2}{r} \approx 912\ m/s^2$

$a = \sqrt{a_\tau^2 + a_n^2} \approx 912\ m/s^2$