



Theoretical Mechanics, Quiz 2: ROT

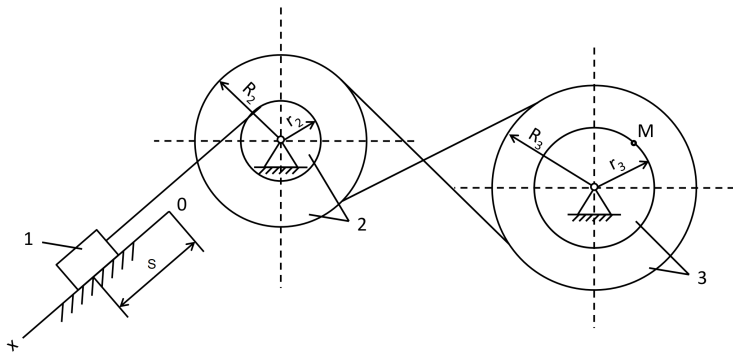
Rotation motion

Quiz 2



All radii, s (passed distance by block 1) and the motion law of the block $x(t) = 2 + 70t^2$ are given.

Derive t , \vec{v}_M , \vec{a}_M^n , \vec{a}_M^τ , \vec{a}_M (show on the figure).



Quiz 2, Task 1

Solution

Tip: firstly, you need to find a time from s and $x(t)$

