

This folder contains the 4 files

- 1) Cylinder_centre_Rolling** - animation of cylinder centre point's angular position, velocity, acceleration w.r.t time.
- 2) Cylinder_Rolling_Periphery** - animation of cylinder centre point's angular position, velocity, acceleration w.r.t time.
- 3) Variation of KE and PE** - Variation of Kinetic and potential energy of cylinder w.r.t to point.
- 4) Pdf file** - Report of project containing the derivation of differential equation of motion.
- 5) MATLAB file** - It contain the code of animation of given example. It is well documented with comments.

Animations Shown are Amplified for better visualization Actual result may differ from the animated one.

If there is any doubt/query regarding anything kindly contact -

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