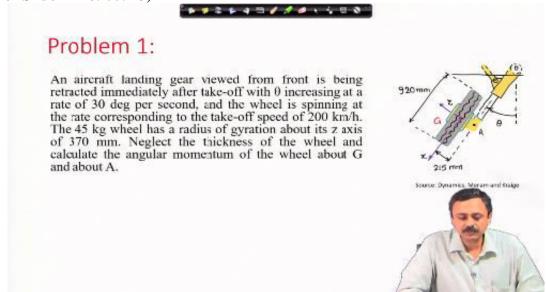
Advanced Dynamics Prof. Anirvan Dasgupta Department of Mechanical Engineering Indian Institute of Technology, Kharagpur

Lecture - 36 Spatial Kinetics of Rigid Bodies - II

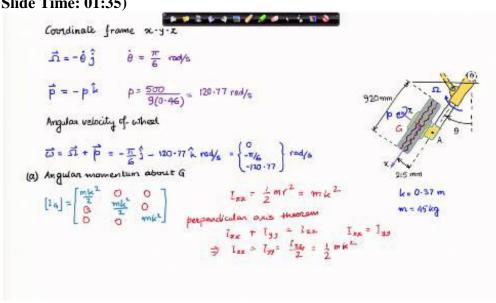
In this lecture we are going to continue our discussions on spatial kinetics of rigid bodies. We will discuss some problems based on the equations of motion that we have developed in the previous lecture.



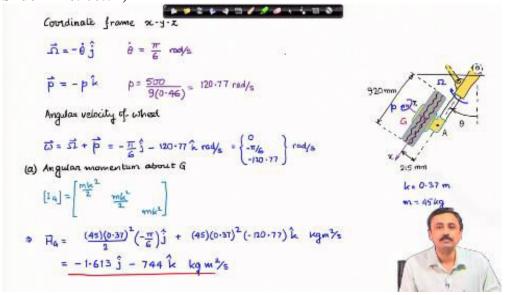


Consider the above problem. The detailed solution parts are given in the 3 slides below.

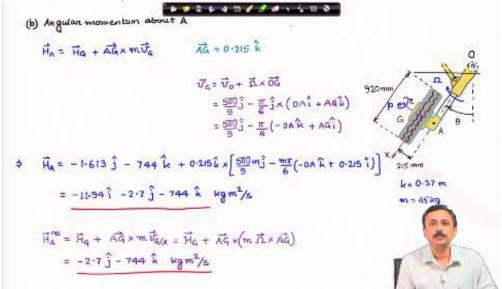
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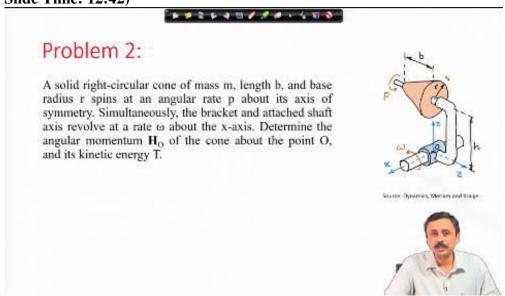
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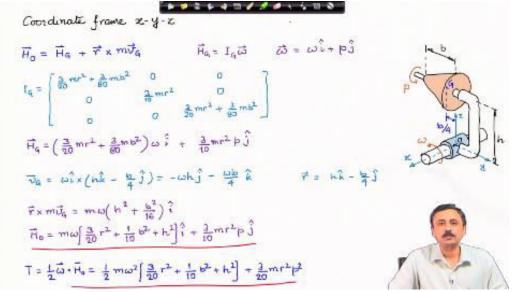


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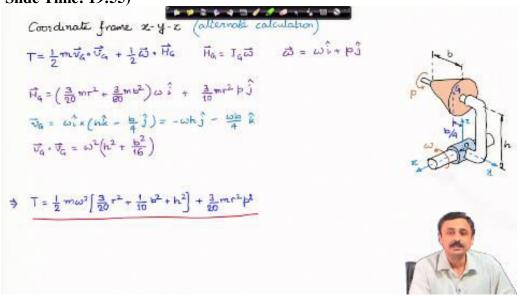


The next problem is shown above. The solution steps are shown in detail in the following 2 slides.



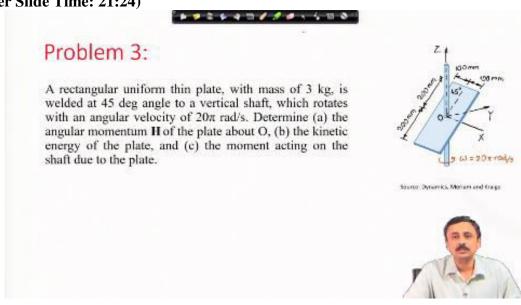


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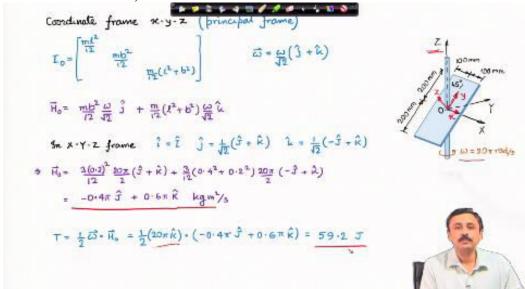
The next problem is shown in the slide below.

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The solution details are presented in the following 2 slides. In this solution, we use the principal frame x-y-z of the plate.

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(Refer Slide Time: 26:04)

