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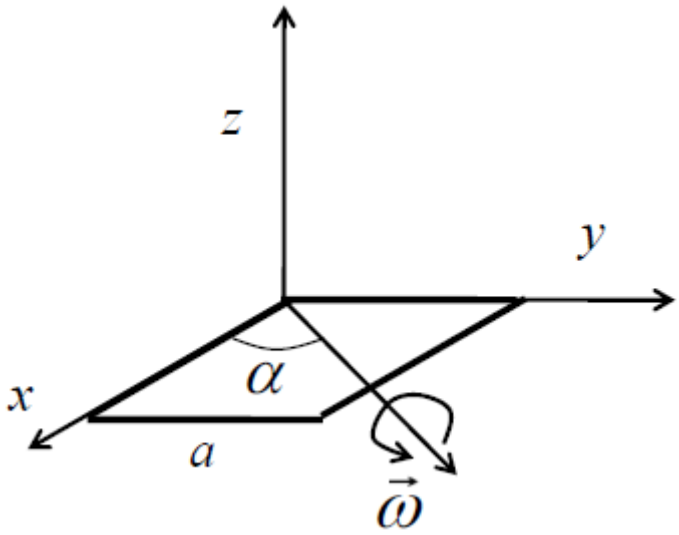
| | **INDIAN INSTITUTE OF TECHNOLOGY PATNA**<br>**DEPARTMENT OF PHYSICS**<br>**Tutorial 5** | |
| 29/01/21 | **PH103** | |
| **1** | **Consider rotation of a square plate of side 1 and mass 1 about an axis in the plane of the plate and making an angle α with the x-axis.**<br>**Find the principal axis of rotation.**<br>  <br> | |
| **2** | **Find the principal axes of a cube with Side length L and mass M, with co-ordinate axis parallel to the edges of the cube and the origin at a corner.** | |