

CH 107 Assignment

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What I have learnt from this week's lectures:

This week's material was very interesting to learn. The use of 3D polar coordinates to transform Schrodinger's equation had me pondering for 40 minutes.

The following are the list of things I learnt from this week's lectures:

- 1) Physics of rigid rotor.
- 2) Polar coordinates in 3D space.
- 3) Solution to the polar form of Schrodinger's equation.
- 4) Space Quantisation of Angular momentum arising naturally .

What I find difficult to grasp in this week's lectures:

The usage of complex mathematics is a bit hard to sink into my brain . There was a lot of information to remember and to process this week but with a bit of practice things started to become clear. The appearance of Magnetic Quantum Number (m) is a bit hard to grasp, other than that everything else is easy to understand.