

**Quantum Mechanics**  
**Physics 237**  
 Frank L. H. Wolfs  
 Department of Physics and Astronomy  
 University of Rochester

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1

**When the wind speed is at least 30 mph .....**



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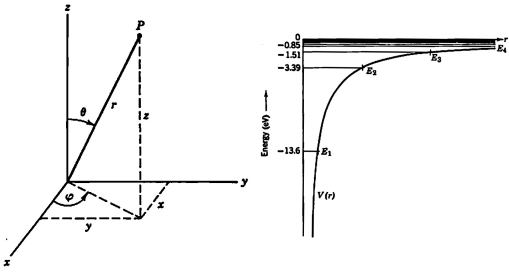
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2

**Spherical coordinates are used to solve the Schrödinger equation.**



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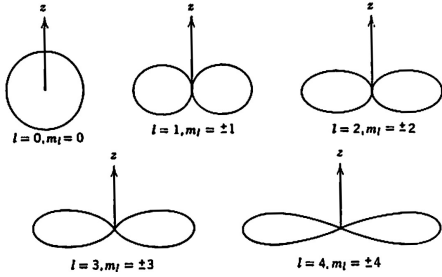
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3



$m = \pm l$  polar diagrams.



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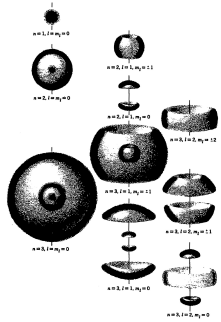
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3D views of the probability density.



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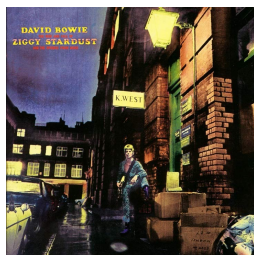
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4 Minute 38 Second Intermission.

- Since paying attention for 1 hour and 15 minutes is hard when the topic is physics, let's take a 4 minute 38 second intermission.
- You can:
  - Stretch out.
  - Talk to your neighbors.
  - Ask me a quick question.
  - Enjoy the fantastic music.



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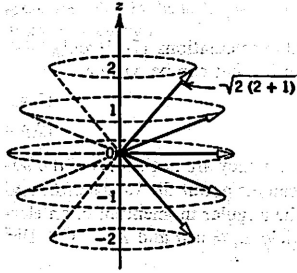
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### Orientations of $L$ .



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### ENOUGH FOR TODAY?

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