

Answer Form

Theoretical Problem No. 1

Evolution of the Earth-Moon System

1. Conservation of Angular Momentum

1a		0.2
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1b		0.2
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1c		0.3
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2. Final Separation and Angular Frequency of the Earth-Moon System.

2a		0.2
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2b		0.5
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2c		0.5
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2d		0.5
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2e		0.2
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2f		0.2
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2g		0.3
2h		0.3
2i		0.2

3. How much is the Moon receding per year?

3a		0.4
3b		0.4
3c		0.4
3d		0.4

3e		1.0
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3f		0.5
3g		1.0
3h		1.0

4. Where is the energy going?

4a		0.4
4b		0.4
4c		0.2
4d		0.3