

## The Two-Body Problem in Celestial Mechanics

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You've captured my orbit  
in the field of your attractor.  
I circle your ambit  
like the moon on a string or  
a frictionless pebble flung into a funnel.  
Now here comes the zinger:  
that tale of the apple is mostly untrue.  
When Newton gazed up, he was struck by an insight,  
not beamed in the belfry by a loose-hanging fruit.  
He saw that the moon would keep falling forever,  
the earth is its lover, they'd both fall together.  
He didn't foresee I'd be falling for you.