CONSTANTS OF MOTION

In mechanics, a constant of motion is a quantity that is conserved throughout the motion, imposing in effect a constraint on the motion... Common examples include energy, linear momentum, angular momentum and the Laplace-Runge-Lenz vector (for inverse-square force laws). In quantum mechanics, an observable quantity Q will be a constant of motion if it commutes with the hamiltonian, H, and it does not itself depend explicitly on time.

Wikipedia

Classical

You've swung so far as to risk that top trill of your motion. There, poised, where beyond would kill, you're all potential. To move. Again, and when you do, down, it's all kinetic. and what drew you there compels you rush on. Don't stop, please.

Equations

No outer force, the push/pull of a father's dream, career jig. It's natural. a caress given a hug returned Neither reward, nor dissipation figure much in the meet equations of our motion.

Quantum

So the world plays tough --

torn menisci, nixed grant. And then you saunter by with simple gifts -a touch, sweet love. I am. But now the test. Imagine it turned around: We fall in love, all settings "high," and then -- in just a trice things fall apart, shoes land, the world turns on its random wear and tear. Where are we, dear?

Time rate change

Together, still. But the equations, heartless, say stasis is not an option. Just move on, kids, through war bad knees, oh a lost child. To the parts that cry and muse, love is the sole constant of the motion.