

# **Is Motion One Of The Three Eternal Properties of Atoms? I.E. Are The Three Properties Shape, Size, and MOTION?**

**Post by “Martin” of April 15, 2026 at 6:36 AM**

Here are my answers to Cassius' questions:

Gravity is one of four fundamental forces which can be considered as independent and their own entities in easy-to-understand models. There is a unified theory for the other three forces. Moreover, there are attempts toward a grand unified theory which would include gravity as well. I have no expertise in the unified theories. I am not aware of a generally accepted grand unified theory at this time.

In the easy-to-understand models, gravity appears to be uncaused. This might not be the case in more sophisticated models and is not the case in one type of monism.

Gravity is associated with "matter" in the adequate models I know.

I agree with the answer from Grok. There is one caveat which I mentioned in one of our Zoom calls. That mass (or energy) produces a gravitational field and curves spacetime is only one of three possibilities and assumes that mass and space exist independently (dualism) but affect each other. The other possibilities are that mass creates space (monism) and that space creates mass (monism). Each of the three possibilities is compatible with observations and the currently best models to explain the observations. Choosing one over the other three possibilities is rather belief akin to religion than knowledge at this time. In practice, publications typically imply dualism like in the quote from Grok.