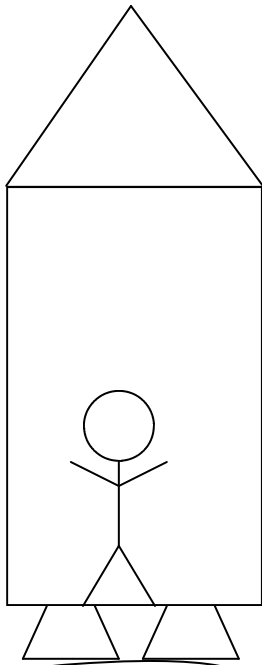


Figure 2.2: **GENERAL RELATIVITY & PRINCIPLE OF EQUIVALENCE**

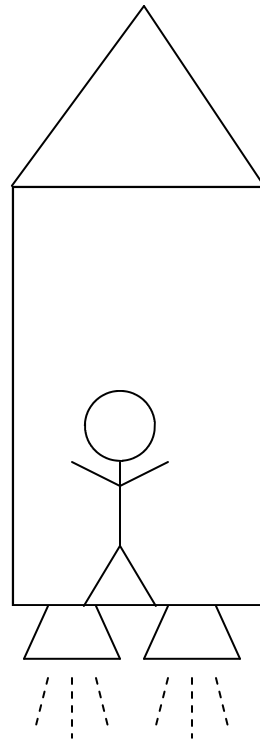
The **FIRST** principle of equivalence declares the effect of gravity sitting on Earth is no different than forward velocity in the vacuum of space. In an enclosed environment, one could not tell the difference.

GRAVITY: Ship resting on Earth



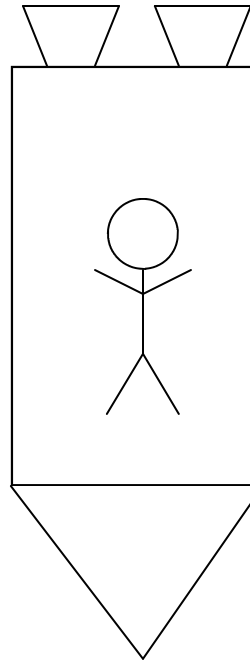
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ACCELERATING ROCKET: Flying in the vacuum of space



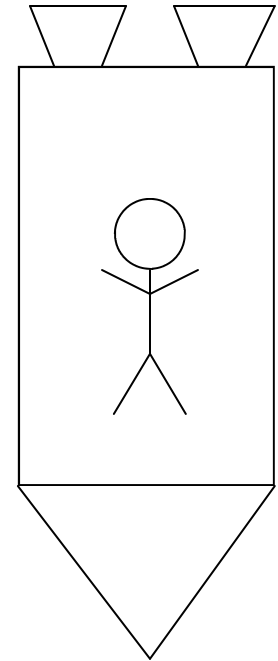
The **SECOND** principle of equivalence declares falling under the influence of gravity is no different than floating in the vacuum of space. In an enclosed environment, one could not tell the difference.

FALLING UNDER INFLUENCE OF GRAVITY



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FLOATING IN VACUUM OF SPACE



EARTH