

# Advanced Relativity vs Classic Relativity (AR vs CR)

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**Classic Relativity (CR)** space is empty

**Advanced Relativity (AR)** space is fundamental energy of the universe

**CR** time is 4<sup>th</sup> dimension of space

**AR** time is mathematical parameter of motion in space

**CR** space has curvature

**AR** space has energy density

**CR** time is relative

**AR** velocity of changes is relative

**CR** rate of clocks and relative velocity of changers is different for internal and external observer

**AR** rate of clocks and relative velocity of changes is the same for all observers. GPS proves that.

**CR** precession has origin in curvature of space

**AR** precession has origin in dragging effect of space

**CR** gravity is carried by curvature of space

**AR** gravity is carried by the variable energy density of space

**CR** twins paradox

**AR** aging of twins happens only in space, not in time and depends on the energy density of space

**CR** hypothetical time travel which are contradictory

**AR** no time travel, one can move in space only

**CR** hypothetical graviton

**AR** gravity is immediate and carried by the variable energy density of space

**CR** gravitational time dilation

**AR** speed of light diminishes minimally because of lower energy density of space

**CR** photon moves in empty space

**AR** photon is the wave of space and that's why light has the same speed in all inertial systems which move in space