

# **Tidal Shift between Continents and the Ocean States of the Wilson Cycle Causes Endless, Westward-Ageing Orogenic Belt**

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Since it has an unusually large moon, the Earth displays the best examples of tidally induced tectonics and shift of all bodies in the solar system: Due to the off-centre rotation of the spinning Earth around the gravitational centre of the Earth-Moon system moving westwards through the lower mantle around the Earth's spin axis with the angular velocity of the tidal bulges, the Earth acts like a hypocycloid gearing. Consequently, the lower mantle and the ocean states of the Wilson Cycle (Mediterranean-Red Sea/Rift, Atlantic, Pacific, collision states), arranged from east to west through 360° around the globe, shift constantly eastwards relative the Earth's upper mantle, crust and continents, and progress once around the globe in 200 to 250 million years.

The continents migrate westwards through the ocean states of the Wilson Cycle and around the Pacific basin in the north and south. What is lost from the Pacific basin in the west through eastward-directed sequential collisions, is added in the east by eastward-directed, Caribbean-Mediterranean style rift propagation, withdrawal of the respective continents in the North America and South America, Europe and Africa settings towards the Earth's poles and by the incorporation of a series of Atlantics into the Pacific (double zip fastener principle). The collided continents form an endless, eastwards growing collisional mountain belt getting progressively older towards the west. During the past, this belt formed two-lap spirals (twice 200 to 250 million years) alternately in the northern and southern hemisphere.