

## Global equatorial fault system

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The most precisely expressed element global equatorial fault system is the transform Romanche Fault, crossing Atlantic ocean from coast of Brasil up to coast Guinea gulf. Fault has a complex structure. Morphology of bottom testifies to display of move apart orthogonal of fault trace. In too time, rift valley Mid-Atlantic Ridge is left displaced on Romanche Fault on a few hundreds km. Thus in formation Romanche Fault pressure of compression and stretching participate. The display of these pressure obviously varied in time. Other element global equatorial fault system is Central African Rift System, actively developing with Cretaceous time at first in conditions stretching, and then in a conditions of compression with wrench displacement. The third element of global equatorial fault system is the Amazon Shearing Zone with prevalence of left-hand displacement. This zone also developed in conditions alternating in time of compression and stretching. The certificate of display last is Amazon graben. Presumably the formation global equatorial fault system condition to rotation of the Earth. The increase of speed of rotation is accompanied by stretching in region of equator. The delay defines determines here of conditions of compression.