

Different faces of teleparallelism

Yakov Itin
Hebrew U. and JCT

Teleparallelism theory of gravity is started from Einstein's and Cartan's attempts to construct a unified field theory of gravity and electromagnetism.

Nowdays, this model is considered mostly as an alternative approach to GR and modified gravity models. We present gravity models based on torsion and on non-metricity tensor of Weitzenbock connection as well as the models with general coframe connections. The recently proposed premetric approach to gravity will be discussed in details.