

The Einstein-Hilbert type action on foliated metric-affine manifolds

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We discuss recent results (joint with Tomasz Zawadzki): variation formulas for extrinsic geometric quantities for variations of pseudo-Riemannian metric and connection on almost-product (e.g. foliated) metric-affine manifolds, and applications to study the scalar curvature type actions (e.g. the total mixed and extrinsic scalar curvatures) – analogs of the classical Einstein-Hilbert action.
