

A New Perspective on Relativity: An Odyssey in Non-Euclidean Geometry

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Starting off from non-Euclidean geometries, apart from the method of Einstein's equations, this talk describes the phenomena of gravitation and diffraction. A historical account is presented exposing the missing link in Einstein's construction of the theory of general relativity, the uniformly rotating disc, together with his failure to realize that the Beltrami metric of hyperbolic geometry with constant, negative, curvature describes exactly the uniform acceleration observed.