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Differential Geometry

Thursday 18 July 2024 10:00 (45 minutes)

Differential geometry in 1, 2, 3 and more dimensions.
Imagine an n-dimensional Riemannian manifold and then set n=1, 2, 3, 4+.

Prerequisites: Come as you are. Understanding the notion of a differentiable manifold is assumed though.

Consequences: To embrace the mightiness of general relativity prepared thou shall be.

Key words: Riemannian and pseudo-Riemannian manifolds, metric tensor, connection, covariant derivative, curvature.

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