An Introduction to DifferentialGeometry with Maple
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Synopsis

- History, Goals, Overview
- Demo 1. Getting Started
- Demo 2. Solving the Einstein Equations in General Relativity
- Demo 3. The Octonions
- Demo 4. The Eguchi-Hanson Metric
- Demo 5. Homogeneous Metrics on the 7 Sphere

▶ History

▶ Design Goals

▶ DG Overview