

A new approach to differential geometry using Clifford's geometric algebra

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Abstrak

Differential geometry is the study of the curvature and calculus of curves and surfaces. A New Approach to differential geometry using Clifford's geometric algebra simplifies the discussion to an accessible level of differential geometry by introducing Clifford algebra. This presentation is relevant because Clifford algebra is an effective tool for dealing with the rotations intrinsic to the study of curved space.