

Discrete S-isothermic and S-cmc surfaces

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Discrete s-isothermic surfaces are a discretization of isothermic surfaces build from spheres. In analogy to the smooth case they can be characterized by a Moutard equation in a suitable Minkowski space. Knowing the Darboux transformation for this class of discrete surfaces allows to define discrete surfaces of constant mean curvature (cmc) and to derive some of their geometric properties.

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