Grosse-Brauckmann, Karsten; Kusner, Robert B.; Sullivan, John M.
Constant mean curvature surfaces with three ends. (English) Zbl 0980.53011
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Authors’ abstract: We announce the classification of complete almost embedded surfaces of constant mean curvature, with three ends and genus zero. They are classified by triples of points on the sphere whose distances are the asymptotic necksizes of the three ends.

MSC:
53A10 Minimal surfaces in differential geometry, surfaces with prescribed mean curvature
53C42 Differential geometry of immersions (minimal, prescribed curvature, tight, etc.)

Keywords:
Delaunay end; tri-unduloids; almost embedded surfaces; constant mean curvature; three ends; genus zero

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