Nelli, Barbara; **Semmler, Beate**
Some remarks on compact constant mean curvature hypersurfaces in a halfspace of $\mathbb{H}^{n+1}$.
(English) Zbl 0981.53049

The authors give a theorem (see the abstract of the paper for a complete statement of it) for hypersurfaces of constant mean curvature in a halfspace of hyperbolic space $\mathbb{H}^{n+1}$. They consider embedded compact hypersurfaces M with boundary ∂M in the boundary geodesic hyperplane P of the halfspace and with non-zero mean curvature. They also prove a result about the topology of such hypersurfaces.

Reviewer: Ildefonso Castro Lopez (Jaen)

MSC:

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

Cited in **4 Documents**

Keywords:

constant mean curvature; large hypersurfaces; Alexandrov reflection technique

Full Text: DOI

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