

Search or Article-id (Help | Advanced search) arXiv.org > math > arXiv:1107.0106 - Go! All papers Mathematics > Differential Geometry Download: PDF Calabi-Yau Problem for Legendrian PostScript Other formats curves in C<sup>3</sup> and applications Current browse context: math.DG Francisco Martin, Masaaki Umehara, Kotaro Yamada < prev | next > new | recent | 1107 (Submitted on 1 Jul 2011 (v1), last revised 23 May 2012 (this version, v2)) Change to browse by: We construct a complete, bounded Legendrian immersion in C<sup>3</sup>. As direct math applications of it, we show the first examples of a weakly complete bounded flat front in hyperbolic 3-space, a weakly complete bounded flat front in de References & Citations Sitter 3-space, and a weakly complete bounded improper affine front in R^3. NASA ADS Comments: After the submission, the authors found that the proof of the Bookmark(what is this?) main theorem contains a serious error and the main theorem 📃 🕸 🗶 🚾 🖬 💼 🚽 😭 💇 turns to be an open problem. ArXiv:1205.4779 is a new Science WISE paper showing the existence of a weakly complete flat surface (with singularities) in hyperbolic 3-space such that the images of the hyperbolic Gauss maps are bounded, which plays a role of a recovery of the present paper Subjects: Differential Geometry (math.DG) MSC classes: 53D10, 53A10, 53A1, 53A35 Cite as: arXiv:1107.0106 [math.DG]

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