Hsungrow Chan 詹勳國

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Research Field

Differential Geometry, Mathematical Physics, Mathematics Education

Education

Ph.D., Dept. of Math., University of Utah, 1997.

B.A., Deprt. of Math., University of Iowa, 1991.

Publications

1.1 Journal Papers

1.1.1 **Chan, Hsungrow**（2000） Nonexistence of nonpositively curved surfaces with one embedded end. *Manuscripta Mathematica* 102, 177-180.

1.1.2 **Chan, Hsungrow**, & Treibergs, A.（2001） Nonpositively curved surfaces in R^3. *Journal of Differential Geometry.* 57, 389-407.

1.1.3 **Chan, Hsungrow** & Fu, C., & Lin, C-S. (2002) Non-topological Multi-Vortex Solutions to the Self-Dual Chern-Simons-Higgs equation in R^2. *Communications in Mathematical Physics* 231, 189-221.

1.1.4 **Chan, Hsungrow**（2003）Embedding Misner and Brill-Lindquist Initial Data For Black-Hole Collisions. *Mathematical Physics, Analysis and Geometry* 6, 9-27.

1.1.5 **Chan, Hsungrow**（2006） Simply-connected Nonpositive Curved Surfaces in R^3. *Pacific Journal of Mathematics.* 223, 1-4.

1.1.6 **Chan, Hsungrow**（2006） Embedding negatively curved initial data of black-hole collisions in R^3. *Classical and Quantum Gravity. 23,* 225-234.

1.1.7 **Chan, Hsungrow**, Tsai, P. & Huang, T.（2006） Web-Based Learning in a Geometry Course. *Educational Technology & Society.* 9(2). 133-140/

1.1.8 **Chan, Hsungrow** (2010) Topological Uniqueness of Negatively Curved Surfaces. *Nagoya Math. J.* 199, 137-149.

Academic Projects

Relevant Experience

3.1 Teaching Experience

3.1.1   Elementary School Teacher, Ding-Shih Elementary School, Taipei County, Taiwan, 1986 – 1987.

3.1.2   **Teaching Fellow**, Department of Mathematics, University of Utah, 1991 – 1997.

3.1.3   **Assistant Professor**, Department of Mathematics Education, National Pingtung Teachers College, Taiwan, 1998- 2002.

3.1.4   **Associate Professor**, Department of Mathematics Education, National Pingtung Teachers College, Taiwan, 2002- 2006.

3.1.5   **Professor**, **Department** of Applied Mathematics, National Pingtung University of Education, Taiwan, 2006 ~ 2014

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