For Favour of Posting

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Joint Geometric Analysis Seminar

(Part of MIST program)

Complete Embedded Minimal Surfaces of Finite Topology in Euclidean Spaces

Dr. Eungbeom Yeon
Pusan National University

Abstract

In 1983, Costa discovered a complete embedded minimal surface in three-dimensional Euclidean space with genus one and three ends. Building on this work, Hoffman and Meeks later constructed complete embedded minimal surfaces with three ends and arbitrary genus. In this talk, we discuss generalizations of the Costa–Hoffman–Meeks surfaces to four- and five-dimensional Euclidean spaces. We highlight several features of these new examples, including their similarities to and differences from the original three-dimensional surfaces. This talk is based on joint works with Dr. Jaehoon Lee.

Date: November 4, 2026 (Wednesday)
Time: 1:30pm-2:30pm
Venue: LSB 222

All are Welcome