

# 超ロバスト計算原理「ロバスト幾何計算」セミナー

講演者： Professor Myung-Soo Kim  
(Seoul National University)

テーマ： Applications of Ellipsoids in Geometric Modeling and Processing

日 時： 2003 年 7 月 18 日 (金) 13 時 » 14 時

会 場： 東京大学工学部 6 号館 3 階セミナー室 A, D

概 要：

In this talk, we will present efficient geometric algorithms for moving ellipses and ellipsoids with applications in geometric modeling and processing. Some examples include applications in

- 2 Collision detection for moving ellipses/ellipsoids.
- 2 Distance computation for ellipsoids.
- 2 Swept volumes for moving ellipsoids.
- 2 Minkowski sum of circular ellipsoids.
- 2 Human body modeling and animation based on ellipsoidal sweeping.

This is a joint work with Bert Jüttler at Johannes Kepler University of Linz, Austria, Wenping Wang at The University of Hong Kong, and other colleagues.

連絡先： 杉原厚吉 (内線 26905)