

Some Examples on Implicitization Using Moving Surfaces

Falai Chen

Department of Mathematics, University of Science and Technology of China, Hefei, Anhui 230026,
P. R. China

In this talk, I will present some examples on implicitizing tensor product rational surfaces using moving surfaces. By observing the examples, some questions and conjectures are posed. Especially, we conjecture that the implicit equation of a rational surface can be expressed as a determinant with linear rows and quadratic rows.