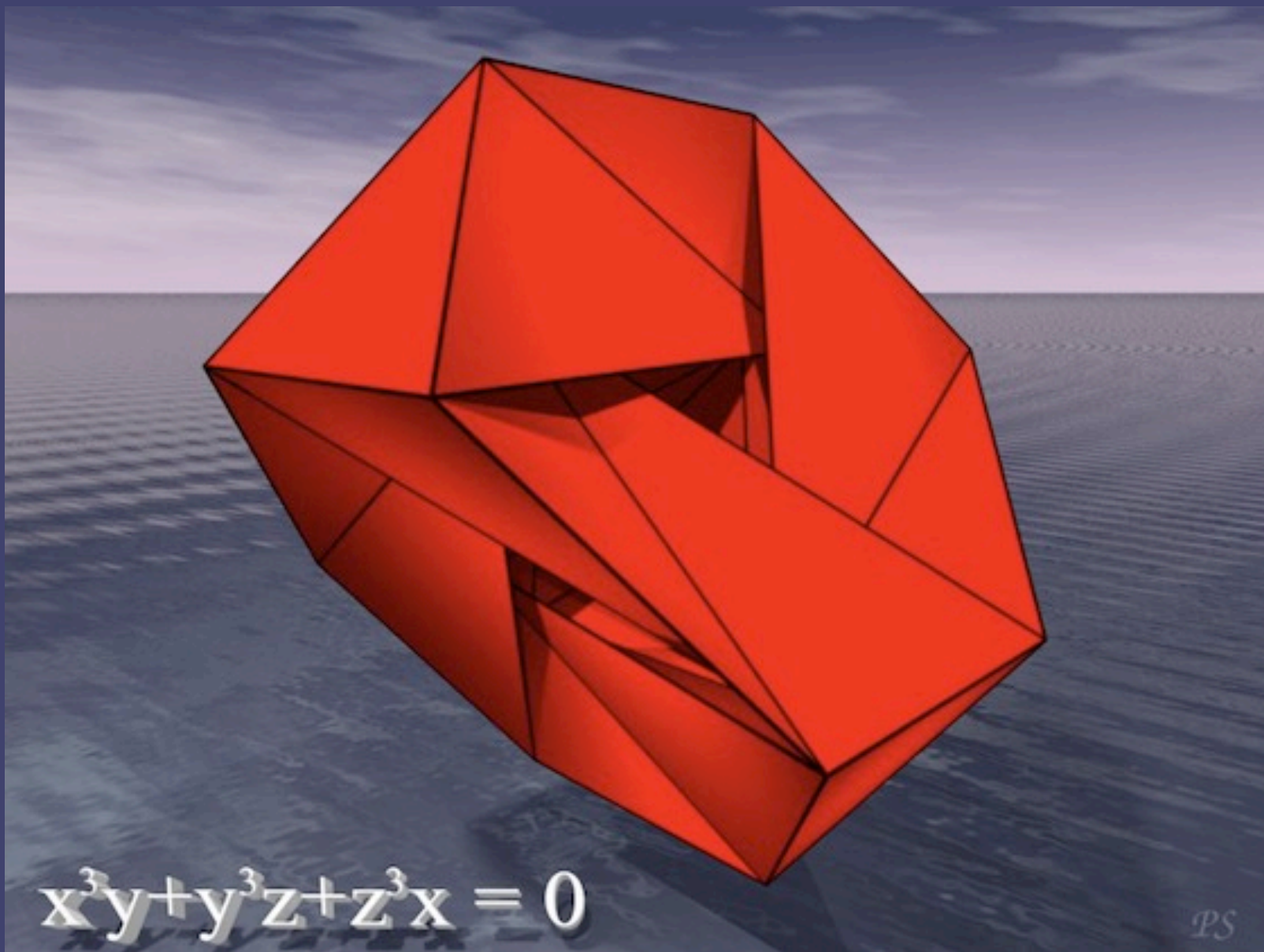


Polyhedra, Symmetry and Optimization



Math by Felix Klein and Jörg M. Wills; Image by Peter Scholl

Rostock Seminar
27.-28. Oktober 2011

Organized by Florian Pfender and Achill Schürmann

Rostock Seminar
Polyhedra, Symmetry and Optimization

Program

Thursday, 27. October 2011: **(Ulmenstraße, HS 125)**

17.00-18.00 Francisco Santos Leal (Universidad de Cantabria)
Counter-examples to the Hirsch Conjecture
afterwards discussion and walk to
19.00 joint dinner at “Casa de Pfender”

Friday, 28. October 2011: **(Parkstraße, SR 42)**

09.15-10.00 Katrin Herr (TU Darmstadt) / Thomas Rehn (Rostock):
Using Fibrations of Symmetric Integer Linear Programs
10.00-10.30 coffee break
10.30-11.00 Andreas Paffenholz (TU Darmstadt):
Permutation Polytopes
11.00-11.30 Voker Kaibel (OvG Universität Magdeburg):
Symmetry of Extended Formulations for Matching-Polytopes
11.30-12.00 coffee break / snack
12.00-12.45 Christian Reiher (Hamburg) / Konrad Sperfeld (Rostock):
Flag Algebras and Graph Theory Applications using SDPs
13.00-13.30 Fernando Mario de Oliveira Filho (FU Berlin):
Yet another talk on SDPs and exploiting symmetry