The group of disjoint 2-spheres in 4-space

Peter Teichner

Max Planck Institute for Mathematics, Bonn, Germany teichner@mpim-bonn.mpg.de

We give a gentle introduction to 4-dimensional knots and links. The highlight is a computation of infinitely many invariants that all together take the role of the linking number in dimension 3.

(joint work with Rob Schneiderman)