1039-57-89

Eric B. Chesebro^{*} (chesebro[@]rice.edu), Rice University, Dept. of Mathematics MS-136, 6100 S. Main Street, Houston, TX 77005, and Jason Deblois and Henry Wilton. *Special links.* Preliminary report.

I will present a family of hyperbolic 2-component links for which many algebraic and geometric invariants can be easily computed. Among other things, this allows us to to show that these links are all pairwise incommensurable yet they all have the same trace field. Also, associated to each link is a natural action of the fundamental group on a nonpositively curved square complex. We show that these complexes are virtually special, a definition given by Frederic Halglund and Daniel Wise to show that the acting groups are GFERF. Work of Ian Agol's implies further that these links are virtually fibered. (This is work in progress, joint with Jason Deblois and Henry Wilton.) (Received March 07, 2008)