

**Eduardo Friedman**

Universidad de Chile, Santiago

friedman@uchile.cl

Minimal discriminants of number fields are presently known for 22 signatures. Using a combination of analytic and geometric techniques, for 20 of these we are able to find the minimal regulator. Except in the totally complex case, in each signature we find that the field with the minimal discriminant has the minimal regulator.

*Joint work with Sergio Astudillo (Weston Academy, Quilicura, Chile) and Francisco Diaz y Diaz (U. Bordeaux, retired).*