

1079-46-54

**Emmanuel Fricain\*** ([fricain@math.univ-lyon1.fr](mailto:fricain@math.univ-lyon1.fr)), Institut Camille Jordan, 43, boulevard du 11 novembre 1918, 69622 Villeurbanne, France. *Zero-free regions for Dirichlet series.*

In this talk, we are interested in zero-free regions for a large class of Dirichlet series. Using a functional method and the theory of Hardy spaces, we give some explicit zero-free discs and a criterion of Beurling-Nyman's type which improve some recent results of Nikolski and de Roton. This method allows us also to obtain a new criterion for the Siegel zero problem.

It is a joint work with C. Delaunay, E. Mosaki and O. Robert. (Received December 12, 2011)