Science Program presents

Computing Quadratic Dirichlet L-functions

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Thursday, March 16, 2017
12-1 PM
LH 144

Abstract

Dr. Ghaith will present an algorithm for mass computation of quadratic Dirichlet L-functions. The average running time of the algorithm is optimal up to logarithmic factors.

Dr. Ghaith is currently assistant professor at the Department of Mathematics in Ohio State University, since August 2013. He worked as postdoc fellow at the University of Waterloo and as postdoc. Associate at the University of Bristol. He obtained his B.A. from in Mathematics and Computer Science from Macalester College in 2002 and his Ph.D. in Mathematics from University of Minnesota in 2008. He gave plenty of research talks worldwide at University of Minnesota, University of Rochester, American Institute of Mathematics, University of Illinois at Chicago, University of Illinois at Urbana-Champaign, University of Waterloo, Institute for Advanced Study in Princeton, Centre de Recherches Mathematiques, MathematicalSciences Research Institute, University of Bristol, University of York (UK) and many others.

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