

Collected Works



James Arthur

James Arthur Archive

This website collects the author's complete published work in an easily accessible set of searchable PDF files. See www.claymath.org/cw/arthur. The archive is the work of Vida Salahi at the Clay Mathematics Institute, with help from Bill Casselman at the University of British Columbia. James Arthur will add comments to many of the articles in the near future. CMI wishes to thank all the publishers for permission to scan the papers.

James Arthur was born on May 18, 1944. He attended the University of Toronto as an undergraduate, and received his Ph.D. at Yale University in 1970, where his advisor was Robert Langlands. He has been a University Professor at the University of Toronto since 1987.

Almost all of Arthur's professional career has been dedicated to exploring the analogue for general reductive groups of the trace formula for SL_2 , first proved by Selberg in the mid 1950s. This has proved to be enormously complex in its details, but also extraordinarily fruitful in its applications.

Raoul Bott Library

The Clay Mathematics Institute is greatly honored to receive the mathematical library of Raoul Bott, who passed away on December 20, 2005. Professor Bott was a deep and creative thinker, one of the great mathematical minds of the 20th century. Few have spoken more eloquently of his life and work than his Harvard colleague Cliff Taubes. Here are some of his words:

His theorems were fantastic, but there are people with fantastic theorems who are not loved the way he was loved. Everyone considered him a father figure. He was just such a gentleman and so gregarious. He loved to laugh, he loved life. He taught us to look for beauty and art in everything.

Raoul worked very hard to say it right, to say it as cleanly as possible. His papers are gems – not incompressible, nor jargon-filled. They were works of art.



Raoul Bott with Michael Atiyah in his office at the Mathematical Institute at Oxford University in the early 1980s