Alain Connes Encyclopedia Article

Alain Connes

The following sections of this BookRags Literature Study Guide is offprint from Gale's For Students Series: Presenting Analysis, Context, and Criticism on Commonly Studied Works: Introduction, Author Biography, Plot Summary, Characters, Themes, Style, Historical Context, Critical Overview, Criticism and Critical Essays, Media Adaptations, Topics for Further Study, Compare & Contrast, What Do I Read Next?, For Further Study, and Sources.

(c)1998-2002; (c)2002 by Gale. Gale is an imprint of The Gale Group, Inc., a division of Thomson Learning, Inc. Gale and Design and Thomson Learning are trademarks used herein under license.

The following sections, if they exist, are offprint from Beacham's Encyclopedia of Popular Fiction: "Social Concerns", "Thematic Overview", "Techniques", "Literary Precedents", "Key Questions", "Related Titles", "Adaptations", "Related Web Sites". (c)1994-2005, by Walton Beacham.

The following sections, if they exist, are offprint from Beacham's Guide to Literature for Young Adults: "About the Author", "Overview", "Setting", "Literary Qualities", "Social Sensitivity", "Topics for Discussion", "Ideas for Reports and Papers". (c)1994-2005, by Walton Beacham.

All other sections in this Literature Study Guide are owned and copyrighted by BookRags, Inc.

Contents

Alain Connes Encyclopedia Article.....1

Contents.....2

Alain Connes.....3

Alain Connes

1947-

French mathematician who was awarded a Fields Medal in 1982 for his contributions to theories on operator algebras (including the classification and structure theorem of type III factors), C^*-algebras, and the classifications of injective factors and automorphisms of the hyperfinite factor. Connes's work in operator algebras has applications to differential geometry, non-commutation integration theory, and noncommutative geometry. His work also has important applications to theoretical physics, especially in the development of mathematical models for quantum mechanical systems.