



Jean-Yves Girard

The Blind Spot

Lectures on Logic



European Mathematical Society

Author:

Jean-Yves Girard
CNRS, Institut de Mathématiques de Luminy
UMR 6206
163 Avenue de Luminy, Case 907
13288 Marseille cedex 9
France
E-mail: girard@iml.univ-mrs.fr

2010 Mathematics Subject Classification: 03-01, 03A05, 03B40, 03F(03-05-07-10-20-40-52-99), 18A15, 68Q(05-10-12-15-55)

Key words: Logic, proof-theory, incompleteness, sequent calculus, natural deduction, lambda-calculus, Curry–Howard isomorphism, system F, coherent spaces, linear logic, proof-nets, ludics, implicit complexity, geometry of interaction

ISBN 978-3-03719-088-3

The Swiss National Library lists this publication in The Swiss Book, the Swiss national bibliography, and the detailed bibliographic data are available on the Internet at <http://www.helvetica.ch>.

This work is subject to copyright. All rights are reserved, whether the whole or part of the material is concerned, specifically the rights of translation, reprinting, re-use of illustrations, recitation, broadcasting, reproduction on microfilms or in other ways, and storage in data banks. For any kind of use permission of the copyright owner must be obtained.

© 2011 European Mathematical Society

Contact address:

European Mathematical Society Publishing House
Seminar for Applied Mathematics
ETH-Zentrum FLI C4
CH-8092 Zürich
Switzerland

Phone: +41 (0)44 632 34 36
Email: info@ems-ph.org
Homepage: www.ems-ph.org

Typeset using the author's T_EX files: I. Zimmermann, Freiburg
Printing and binding: Beltz Bad Langensalza GmbH, Bad Langensalza, Germany
The cover picture shows the syllogism *Barbara* as a proof-net, see p. 239.

9 8 7 6 5 4 3 2 1