

# Teoria dei modelli

## 1 Introduttivi

J. Barwise (ed.), *Handbook of Mathematical Logic*, North Holland, 1982.

J. Bridge, *Beginning Model Theory: The Completeness Theorem and some consequences*, Oxford University Press, 1977.

K. Doets, *Basic Model Theory*, Csl Publications and FOLLI, 1996

M. Manzano, *Model Theory*, Oxford University Press, 1999.

P. Rothmaler, *Introduction to Model Theory*, CRC, 2000.

## 2 Storici

J.L. Bell, A.B. Slomson, *Models and Ultraproducts*, Dover Publications, 2006.

C.C. Chang, H.J. Keisler, *Model Theory*, North Holland, 1990.

C.C. Chang, H.J. Keisler, *Continuous Model Theory*, Princeton University Press, 1966.

A. Robinson, *Introduction to Model Theory and to the Metamathematics of Algebra*, North Holland, 1965 (traduzione italiana, Boringhieri, 1974).

G. Sacks, *Saturated Model Theory*, Benjamin, 1972.

## 3 Istituzionali

R. Grossberg, *A course in Model Theory*, to appear, 3 vols.: I. Introduction, II. Classification Theory, III. Classification Theory for Abstract Elementary Classes.

W. Hodges, *Model Theory*, Cambridge University Press, 1993

W. Hodges, *A shorter Model Theory*, Cambridge University Press, 1997

D. Marker, *Model Theory: An introduction*, Springer, 2002.

B. Poizat, *A course in model theory*, Springer, 1999.

## 4 Istituzionali avanzati

- J.T. Baldwin, *Fundamentals of Stability Theory*, Springer, 1988.
- J.T. Baldwin, *Categoricity in Abstract Elementary Classes*, to appear.
- S. Buechler, *Essential Stability Theory*, Springer, 1996.
- D. Lascar, *Stability in Model Theory*, Longman, 1987.
- A. Pillay, *An Introduction to Stability Theory*, Dover Publications, 2008.
- A. Pillay, *Geometric Stability Theory*, Oxford University Press, 1996.
- S. Shelah, *Classification Theory and the number of nonisomorphic models*, North Holland, 1990.
- L. Van Den Dries, *Tame Topology and o-minimal Structures*, London Math. Soc. Lecture Notes Series 248, Cambridge University Press, 1998.
- F. Wagner, *Simple Theories*, Kluwer, 2000.

## 5 Teoria astratta dei modelli

- J. Barwise. S. Feferman (eds.), *Model Theoretic Logics*, Springer, 1985.
- J. Flum, *First order logic and its extensions*, Lecture Notes in Mathematics 499, Springer, 1975.
- H.J. Keisler, *Model Theory for Infinitary Logic*, North Holland, 1971.

## 6 Teoria dei modelli e Algebra

- T. Altinel, A. Borovik, G. Cherlin, *Simple groups of finite Morley rank*, AMS, 2008.
- L. Bélair, Z. Chatzidakis, P. D'Aquino, D. Marker, M. Otero, F. Point, A. Wilkie (eds.), *Model Theory and Applications*, Quaderni di Matematica vol. 11, Seconda Università di Napoli, 2002.
- A. Borovik, A. Nesin, *Groups of finite Morley rank*, Clarendon, 1994.

- E. Bouscaren (ed.), *Model Theory and Algebraic Geometry*, Lecture Notes in Mathematics 1696, Springer, 2002.
- Z. Chatzidakis, D. Macpherson, A. Pillay, A. Wilkie (eds.) *Model Theory with Applications to Algebra and Analysis*, Vol. 1-2, London Math. Soc. Lecture Note Series 349-350, Cambridge University Press, 2008
- G. Cherlin, *Model Theoretic Algebra*, Lecture Notes in Mathematics 521, Springer, 1976
- D. Evans (ed.), *Model Theory of Groups and Automorphism Groups*, Vol. 1-2, London Math. Soc. Lecture Note Series 244, Cambridge University Press, 1997
- D. Haskell, E. Hrushovski, D. Macpherson, *Stable Domination and Independence in Algebraically Closed Valued Fields*, Lecture Notes in Logic 20, ASL and Cambridge University Press, 2008
- D. Haskell, A. Pillay, C. Steinhorn (eds.), *Model Theory, Algebra and Geometry*, MSRI Publications, Cambridge University Press, 2000
- C. Jensen, H. Lenzing, *Model Theoretic Algebra, with particular emphasis on Fields, Rings and Modules*, CRC, 1989.
- A. Macintyre (ed.), *Connections between Model Theory and Algebraic and Analytic Geometry*, Quaderni di Matematica vol. 6, Seconda Università di Napoli, 2000.
- D. Marker, M. Messmer, A. Pillay *Model Theory of fields*, Lecture Notes in Logic 5, Springer, 1996.
- B. Poizat, *Stable Groups*, AMS, 2001.
- M. Prest, *Model Theory and Modules*, London Math. Soc. Lecture Notes Series 130, Cambridge University Press, 1988.
- M. Prest, *Purity, Spectra and Localisation*, Cambridge University Press, to appear.
- F. Wagner, *Stable Groups*, London Math. Soc. Lecture Notes Series 240, Cambridge University Press, 1997.

## 7 Anche da ricordare

L. Blum, F. Cucker, M. Shub, S. Smale, *Complexity and Real Computation*, Springer, 1998.

R. Kaye, *Models of Peano Arithmetic*, Clarendon Press, 1991.

A. Marcja, C. Toffalori, *A guide to classical and modern Model Theory*, Kluwer, 2003.