

21-603 Model Theory I

Rohan Jain

Contents

Chapter 1

Page 2

1.1 random info

2

Chapter 1

1.1 random info

rami@cmu.edu

username: MOAB

password: APLATON

MOAB1.pdf

1. Set Theory
2. Model Theory
3. Recursion Theory
4. Proof Theory

1973 book by Chang and Keisler - Model Theory - Highly recommended for elementary model theory.

What is model theory? Model Theory = logic + universal algebra

1984 - W. Hodges - Shorter Model Theory

model theory = algebraic geometry - field theory

Algebraic structures:

1. groups
2. rings
3. vector spaces
4. fields
5. graphs - (V, E)
6. ordered structures
- 7.