Lensing Basics Outline
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Lecture I: Introduction
        What is lensing?
        Brief history of lensing
        Why use lensing?

Lectures II and III: Basic theory
        Lens equation
        Fermat potential and time delays
        Magnification and image distortion
        Critical curves and caustics
        General properties of lenses
        Mass-sheet degeneracy

Lecture IV: Simple lens models
        Spherically symmetric mass distributions
        Singular isothermal sphere/ellipsoid
        Power-law mass distribution and its applications