

Conversion Guide from Chiang to Klein

	Chiang, <i>Fundamental Methods of Mathematical Economics</i> , 3rd edition, 1984	Klein, <i>Mathematical Methods for Economics</i> , 2nd edition, 2002
Chapter 1	Nature of Mathematical Economics	Section 1.2
Chapter 2	Economic Models	Section 1.2 and Chapter 2
Chapter 3	Equilibrium Analysis in Economics	Section 4.1 and Chapter 2
Chapter 4	Linear Models and Matrix Algebra	Chapter 4
Chapter 5	Linear Models and Matrix Algebra (continued)	Chapters 4, 5; Necessary and Sufficient Conditions in Section 2.2
Chapter 6	Comparative Statics and the Derivative	Chapter 6, Limits in Chapter 2
Chapter 7	Rules of Differentiation and Comparative Statics Sections 7.1 - 7.3 Section 7.4	Chapter 7, Monotonic and Inverse functions in Chapter 2 Chapter 8
Chapter 8	Comparative Statics of General Function Models	Chapter 8
Chapter 9	Optimization (univariate) Sections 9.1 - 9.2, 9.4 Section 9.3, 9.5, 9.6	Chapter 9 Section 7.3, Concavity in Section 2.2
Chapter 10	Exponential and Logarithmic Functions	Chapter 3, Chapter 7
Chapter 11	Optimization (multivariate) Section 11.3	Chapter 10 Section 5.3
Chapter 12	Optimization with Equality Constraints Sections 12.1 - 12.3, 12.5, 12.7 Section 12.6	Chapter 11 Section 8.3
Chapter 13	Economic Dynamics and Integral Calculus	Chapter 12
Chapter 14	First Order Differential Equations	Chapter 14
Chapter 15	Higher Order Differential Equations Section 15.1	Section 14.3
Chapter 16	First Order Difference Equations	Chapter 13
Chapter 17	Higher Order Difference Equations Section 17.1 - 17.3	Chapter 13.3
Chapter 18	Simultaneous Differential and Difference Equations Section 18.2 Sections 18.5	Chapters 13 and 14 Section 14.3

Note: Dynamic Optimization, Chapter 15 in Klein, is not covered in Chiang