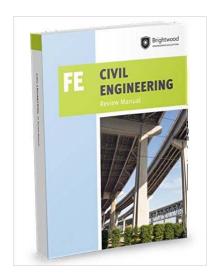
Brightwood FE Civil Engineering Review Manual



Engineering Economics

Cash Flows
Time Value of Money and Equivalence
Compound Interest
Single-Payment Formulas
Uniform Payment Series Formulas
Uniform (Arithmetic) Gradient Formulas
Nominal Interest

Effective Interest and Non-Annual Compounding

Present Worth

Capitalized Cost (Infinite Life)

Future Worth

Annual Cost

Rate of Return Analysis (One Alternative)

Rate of Return Analysis (Two Alternatives)

Rate of Return Analysis (Three or More Alternatives)

Benefit-Cost Analysis

Breakeven Analysis

Bond Values

Bond Yields

Straight-Line Depreciation

DDB Depreciation

MACRS Depreciation

Inflation

Effect of Inflation on Rate of Return (Real Returns)