

Maintenance Policies

Age replacement
Block replacement
Repair limit
Failure limit
Sequential
Repair counting

System configuration

Single-unit
Series
Parallel
k-out-of-n
Redundant

Shut-of-rule

Rule 1
Rule 2
Rule 3

Maintenance degree

Imperfect
Minimal
Perfect
Worse

Maintenance cost

Constant
Random
Complex

Optimalization

criteria
Minimal cost rate
Maximize availability
Limit on failure rate
Minimize down time
Cost and reliability

Modelling tools

Renewal theory
Markov
Probability
Poisson

Planning horizon

Infinite
Finite
Discrete
Continuous

Dependence

Economic
Failure
Structural

System information

Incomplete
Complete

Optimal maintenance policy