

- 5.9. References /
- Note 6: Reliability evaluation of series systems /
 - 6.1. Introduction /
 - 6.2. Modelling of Series Systems /
 - 6.3. FORM Approximation of the Reliability of a Series System /
 - 6.4. Evaluation of Series System Reliabilities /
 - 6.4.1. Reliability Bounds of Series Systems /
 - 6.4.2. Numerical Methods for Evaluation of Φ /
 - 6.5. Sensitivity Analysis of Series Systems Reliabilities /
 - 6.6. References /
- Note 7: Reliability evaluation of parallel systems /
 - 7.1. Introduction /
 - 7.2. Modelling of Parallel Systems /
 - 7.3. FORM Approximation of the Reliability of a Parallel System /
 - 7.4. Evaluation of Parallel Systems Reliabilities /
 - 7.5. General Systems Reliability /
 - 7.6. Reliability of Series Systems of Parallel Systems /
 - 7.7. Sensitivity Analysis of General Systems /
 - 7.8. References /
- Note 8: Structural reliability: Level 1 approaches /
 - 1. Introduction /
 - 2. Design values for loads and strengths /
 - 3. Estimation of partial safety factors for one failure mode /
 - 4. General procedure for estimating partial safety factors /
 - 5. Design value format in Eurocodes /
 - 6. Calibration of Partial Safety Factors for Danish Structural Codes /
 - 6.1. Characteristic values for loads and strengths /
 - 6.2. Partial safety factors for loads and strengths /
 - 6.3. Stochastic models /
 - 6.4. Probabilistic calibration of partial safety factors for load combination 2.1 and 2.3 /
 - 6.5. Partial safety factors for actions in new DS 409 /
 - 7. References /
- Note 9: Time-Variant reliability /
 - 1. Introduction /
 - 2. Stochastic processes /
 - 3. Barrier Crossing /
 - 3.1. Simulation /
 - 3.2. Rice's In- and Exclusion Series /
 - 3.3. The Poisson Assumption /
 - 3.4. Initial Conditions /
 - 4. Mean Number of Out-crossing /
 - 4.1. Initial Conditions /
 - 4.2. Gaussian Processes /
 - 5. Distribution of Local Extremes /
 - 6. Global Extremes /
 - 6.1. Gaussian process /
 - 6.2. Loads modeled by Poisson 'spike' process /
 - 6.3. Loads modeled by Poisson square-wave process /
 - 7. References /
- Note 10: Load combinations /
 - 1. Introduction /
 - 2. Exact model /
 - 3. The Ferry Borges-Castanheta load model /
 - 4. The Turkstra rule /
 - 4.1. Reliability analysis /
 - 4.2. Level 1 approach /
 - 5. References /
- Note 11: Example: Fatigue / Reliability-Based Inspection Planning /
 - 1. Introduction /
 - 2. Fatigue loading /
 - 3. Stress Analysis /
 - 4. Fatigue strength /
 - 4.1. SN approach /
 - 4.2. Fracture mechanics approach /
 - 4.3. Fatigue cycle counting /
 - 4.4. Simple example /
 - 5. Example: Reliability analysis of fatigue critical details /
 - 5.1. Evaluation of the equivalent stress range /
 - 5.2. SN-Approach /
 - 5.3. Fracture Mechanics /
 - 6. Inspection Planning /
 - 7. References /
- Note 12: Reliability updating /
 - 1. Introduction /
 - 2. Bayesian updating of stochastic variables /
 - 3. Bayesian updating of stochastic variables /
 - 4. References /
- Appendix A. Bayesian updating of distribution functions /
 - A.1. Normal distribution with unknown mean /

- A.2. Normal distribution with unknown standard deviation /
- A.3. Normal distribution with unknown mean and standard deviation /
- A.4. Lognormal distribution /
- A.5. Gumbel distribution /
- A.6. Weibull distribution /
- A.7. Exponential distribution /