1. Record Nr. UNINA9910713485103321

Autore	Meltzer Allan H.
Titolo	The Senate Concurrent Resolution on Monetary Policy : testimony prepared for the Senate Committee on Banking, Housing and Urban Affairs / / by Allan H. Meltzer
Pubbl/distr/stampa	[Washington, D.C.?] : , : [Senate Committee on Banking, Housing and Urban Affairs?], , 1975
Descrizione fisica	1 online resource (11 pages)
Soggetti	Monetary policy - United States Monetary policy United States
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Typescript. "February 25, 1975."

2. Record Nr. UNINA9910254318803321

Autore	Kohler Michael
Titolo	Load Assumption for Fatigue Design of Structures and Components : Counting Methods, Safety Aspects, Practical Application / / by Michael Köhler, Sven Jenne, Kurt Pötter, Harald Zenner
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2017
ISBN	3-642-55248-X
Edizione	[1st ed. 2017.]
Descrizione fisica	1 online resource (XIX, 226 p. 134 illus., 7 illus. in color.)
Disciplina	658.56
Soggetti	Quality control Reliability Industrial safety Applied mathematics Engineering mathematics Mechanics Mechanics, Applied Engineering design Quality Control, Reliability, Safety and Risk Mathematical and Computational Engineering Solid Mechanics Engineering Design
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Introduction -- Characteristic service stresses -- Description of the counting methods -- Load spectra and matrices -- Comparison of counting methods for exemplary stress-time functions -- Multiaxial loads and stresses -- Time-at-level counting -- Application of the counting methods -- Analytical fatigue-life prediction -- Design and dimensioning spectra -- Safety aspects -- Load assumption in various special fields -- Additional references on load assumptions in various engineering fields.

Sommario/riassunto

Understanding the fatigue behaviour of structural components under variable load amplitude is an essential prerequisite for safe and reliable light-weight design. For designing and dimensioning, the expected stress (load) is compared with the capacity to withstand loads (fatigue strength). In this process, the safety necessary for each particular application must be ensured. A prerequisite for ensuring the required fatigue strength is a reliable load assumption. The authors describe the transformation of the stress- and load-time functions which have been measured under operational conditions to spectra or matrices with the application of counting methods. The aspects which must be considered for ensuring a reliable load assumption for designing and dimensioning are discussed in detail. Furthermore, the theoretical background for estimating the fatigue life of structural components is explained, and the procedures are discussed for numerous applications in practice. One of the prime intentions of the authors is to provide recommendations which can be implemented in practical applications.