

<<材料与结构安全分析的整合方法>>

图书基本信息

书名：<<材料与结构安全分析的整合方法>>

13位ISBN编号：9787562821878

10位ISBN编号：7562821879

出版时间：2007-10

出版时间：上海华东理工大学

作者：薛昌明，涂善东，

页数：393

版权说明：本站所提供下载的PDF图书仅提供预览和简介，请支持正版图书。

更多资源请访问：<http://www.tushu007.com>

<<材料与结构安全分析的整合方法>>

内容概要

the book includes the full papers selected from the fifth annual meeting of the fracture mechanics, held at the wu hua hotel in changsha, hunan province, china, october 31 to november 5, 2007. the fracture mechanics symposium series was initiated in 2003. the first annual meeting fm2003 was held in shanghai, china, 2003. fm2004 was held in huangshan, anhui province, china, 2004, fm2005 in zhengzhou, henan province, china, 2005, and fm2006 in nanjing, jiangsu province, china, 2006. the symposium series provided a great opportunity for professors, researchers engineers and other experts to interchange their research results and ideas in the field of fracture and structural integrity in general. the joint effort among the academic and industrial institutions assured the continuing success of the symposium series.

## &lt;&lt;材料与结构安全分析的整合方法&gt;&gt;

## 书籍目录

Preface From the editors Multiscaling aspects of fail-safe for material and structure G.C. Sih Integrated approach to materials and structural integrity S.T. Tu Design criteria for multiaxial low cycle fatigue T. Itoh, M. Sakane Transient behavior of creep crack growth under non-steady loading K.S. Kim, W.S. Yoon Creep damage mechanisms in Ni-base superalloys focusing on the distribution of alloying elements in  $\gamma$  and  $\gamma'$  phases K. Ogawa, T. Niki, K. Nobusawa, T. Shoji Discussion of several life prediction methods for fatigue-creep interaction Xuedong Chen, Zhichao Fan, Ling Chen, Jialing Jiang, Tiecheng Yang Elastic-plastic behaviours of pressurised pipes under cyclic thermal stresses with temperature gradients Chang-Sik Oh, Yun-Jae Kim Damage identification for concrete continuous rigid frame bridge based on curvature mode and BP neural network Zhao Li, Xuesong Tang, Xingye Chen Prediction of fatigue life characteristic of real waterwork pipe using linear transformation by the probability density function J.H. Choi, S.K. Cho, D.J. Kim, J.M. Koo, C.S. Seok, W.K. Song Fatigue failure mechanisms of plasma-sprayed CrC-NiCr cermet coatings in rolling contact Xiancheng Zhang, Binshi Xu, Fu-Zhen Xuan Micro structural origin of the apparent thermal transient creep of concrete at high temperature A. Menou, G. Mounajed, H. Boussa, Ch. La Borderie Effect of plasma nitrocarburizing on fatigue strength of SCM435 steel Jianjun Sun, Nu Yan, Insup Lee, Riichi Murakami Elevation of fatigue behavior of T-type welded joint in the small-sized single pass boiler Nu Yan, H. Yamakawa, R. Murakami, D. Yonekura A nonlinear incremental damage model for fatigue-creep fracture Jie Dung, Xuedong Chen, Huifeng Jiang, Zhichao Fan, Shouxiang Lu A new life prediction method for stress controlled fatigue-creep interaction Ht, ifeng Jiang, Xuedong Chert, Zhichao Fan, Jie Dong, Shouxiang Lu Experimental study on fatigue growth of surface cracks on overlay of hydrogenation reactor Shiming Shen, Guoquan Ding Notch fatigue assessment of four critical plane strain energy criteria based on mixed cracking mode Baoxiang Qiu, Zengliang Gao, Xiaogui Wang Low cycle fatigue characteristics of two steels for railway wheel and axle D.J. Kim, S.K. Cho, J.H. Choi, J.M. Koo, C.S. Seok, J.W. Seo Fatigue life evaluation of disk brake of railway vehicle considering pressure distributions at frictional surface S. K. Cho, D. J. Kim, J. H. Choi, Y. M. Lee, C. S. Seok Effects of loading rate, notch geometry and loading mode on the local cleavage fracture stress of a C-Mn steel Guozhen Wang, Yuliang Wang Numerical solutions of diffusion-controlled migrating interface problems for studying brazing SS304/BNi-2/SS304 joint Hu Chen, Jianming Gong, Shan-Ttmg Tu, Wenchun Jiang Net-section limit moments for circumferential cracks at the interface between elbows and pipes Chang-Kyun Oh, Tae-Kwang Song, Yun-Jae Kim, Jong-Sung Kim, Tae-Eun Jin Research on partial safety factor of structural integrity assessment Sluo Pan, Jianping Zhao Limit loag of mismatched welded joint containing cracks C hunwei Ma, Fu-Zhen Xuan, Zhengdong Wang The plast c limit load of elbows under in-plane bending moments Zhixiang Duan, Shiming Shen, Lifang Zhou Formulaton for tangent stiffness matrix of 3-D smeared rotating crack concrete model Sangbai Cai, B.A. Izzuddin, A.Elghazouli, P. Shen Characteristics of dynamic mechanical properties of high strength steels (POSTEN60, POSTEN80) C ab-Chul Jang, Kyong-Ho Chang, Chin-Hyung Lee Energy release rate for delaminated laminates circular plates subjected to transverse loads Deliang Chen, Yiming Fu Nonlinear response analysis for cable-stayed bridge by considering girder-tower coupling effect under earthquake excitation Xingye Chen, Zhao Li, Xuesong Tang Analysis of creep and shrinkage effects in bulin river bridge Weian Wang, Jianren Zhang, Qianhua Yu, Shunkun Tan Geometric nonlinear tangent stiffness matrix with uniform expression for plane truss, beam and plane elements Jihua Deng, Xudong Shao, Songbai Cai Modeling on strain softening and Portevin-Le Chatelier effect in crystalline materials based on mesoplasticity Wenge Zhang, Xuedong Chen, Tiechen Yang, Bing Wang Creep analysis of the pipe with local thinning defect under pressure and moment at high temperature Changyu Zhou, Jilin Xue, Guodong Zhang Influence of mesh type and size on crack growth modeling Hong Huang, Xiaogui Wang, Zengliang Gao An investigation on support plate of steam generator by modal analysis Qiwu Dong, Tong Liu, Minshan Liu Study on factors influencing dynamic properties of steam generator U-tubes Minshan Liu, Tong Liu, Qiwu Dong Seismic response and dynamic characteristic analysis of the complex intake tower structure Chenggang Ma, Yongxing Lai, Minshan Liu Vibration analysis and fault diagnosis of the fan unit and support structure Shaoping Zhou, Jie Zhang, Yongsheng Su Fluidelastic stability criterion analysis of tube

## &lt;&lt;材料与结构安全分析的整合方法&gt;&gt;

bundles with energy equation Yongxing Lai, Ke Wang, Qiwu Dung  
Research on the optimal structural parameter of interrupted type concrete straight-road barrier with certain length concrete frusta Zhengbao Lei, Lan Lin, Haiqi Yah, Jinxiu Yu, Zhigang Zhou  
The self-excited vibration mechanism and diagnosis of turbo generator set Shaoping Zhou, Yongsheng Su, Jie Zhang, Xiuhai Li  
Investigation on the leak accident prediction of petrochemical installations Songbai Cheng, Guohua Chen  
Failure analysis of a thermocouple protection tube in a steam-entering pipe of a steam turbine Deming Fang, Shuihua Zheng, Changjiang Huang, Ying Li  
An equivalent strain energy density life prediction model Zhichao Fan, Xuedong Chen, Ling Chen, Jialing Jiang  
A quality inspection method of blade based on genetic algorithm Hui Guo, Jiazhen Pan  
Fouling characteristics of sintered porous surface tubes for heat exchangers in sodium chloride solution Along Liu, Hong Xu, Yan Sun, Hongzhi Wang, Li Zhang, Jinglei Liu, Xuesheng Wang  
Study on properties of heat transfer and scaling for gas-liquid two-phase flow in the vertical tube Suolong Zhang, Keping Chert, Qiwu Dung, Peining Li  
Nonlinear dynamic beam under moving load with time delay feedback control Changzhao Qian, Jiashi Tang  
Delamination growth of composite laminated cylindrical shells under radial uniformly distributed dynamic load Jinhua Yang, Xingye Chen, Chuanxi Li  
Stability analysis of the continuous rigid frame bridge with large-span and high-pier by energy method Yigang Lv  
Manufacturing of nozzles combined with reinforcement pad Zhengfang Wang, Yong Wang, Dawei Qu, Tingbo Sun  
Optimal design for sealed cabin of underwater high-speed photography system Mande Shen, Liangyi Chen, Junhua He, Faquan Zhang  
Nonlinear vibration for moderate-thickness cracked plate with dowels on elastic foundation Yonggang Xiao, Chongmei Peng, Jiafeng Zhong  
The flow forming process simulated by finite element method Changhong Liu, Fu-Zhen Xuan, Xintian Liu, Lihui Zhao, Xiaoyong Zhao  
Research on microstructure of Zn-based polymer nanocomposite Baiyang Lou, Bin Xu, Kangchun Luo, Kezai Miao  
The research on failure of pressing die Bin Xu, E aiyang Lou  
Nonlinear forward-iteration method for cable-stayed bridge Changsong Chen, Donghuang Yan, Zhengqing Chen  
Remaining life arid fracture evaluation of Incoloy800H furnace tubes serviced at high temperature for 100,000 h Yong Jian g, Jianming Gong, Zhongzheng Zhang, Rulsong Zhu, Dongxing Xi  
Elastic-plastic simulation aiming to grinding of advanced ceramics Yumei Bao, Guozhong Chal, Weina Hao  
Reliability analysis for CNG storage gas pressure vessel using t'mite element method Junge Du, Yaxin Zhang  
Experience with the use of P91 steel & development of tools for component integrity/life assessment Ahmed Shibli, David Robertson  
Relief of tensile residual stress in girth joint of AISI 316 steel by deep cryogenic treatment Qiongqi Wang, Weize Wang, Fu-Zhen Xuan, Zhengdong Wang, Shan-Tung Tu  
Author index  
Keywords index

<<材料与结构安全分析的整合方法>>

章节摘录

插图

<<材料与结构安全分析的整合方法>>

编辑推荐

《材料与结构安全分析的整合方法:国际断裂力学2007年会论文集(英文版)》由华东理工大学出版社出版。

<<材料与结构安全分析的整合方法>>

版权说明

本站所提供下载的PDF图书仅提供预览和简介，请支持正版图书。

更多资源请访问:<http://www.tushu007.com>