

目 次

工程数值仿真与 CAE 算法

- 基于刚度比值的顶升纠倾整体结构受力性能 岳庆霞, 沈振锟(1)
- 火灾后型钢混凝土十字形柱的敏感性分析 曲爽, 李威(7)
- 小跨高比 RPC 连梁抗震性能的正交数值模拟 夏鑫, 韩旭(12)
- 型钢活性粉末混凝土柱偏心受压性能有限元分析 周绍朋(21)
- 等几何分析与近场动力学耦合的壳结构裂纹扩展仿真算法 夏阳, 王洪帅, 郑国君, 申国哲(26)
- 基于流-固耦合的电泳过程车身变形分析 于保君, 朱学武, 李鼎, 刘创举, 赵梓琪(34)
- 行人保护 aPLI 腿型吸能空间 谭冰花, 李博, 王亚军, 徐立笑, 潘一鸣(39)
- 电动车减速器齿轮疲劳断裂分析与改进 闫博, 康一坡, 朱学武, 刘艳玲, 李俊楼, 张尤龙(44)
- 三维有限元非线性导热计算程序 FemHC 刘瑜, 朱可可, 万秋里, 王成恩(49)
- 外域声场计算中的无限元方法 缪硕, 石敏, 任春雨(57)
- 基于 Python 的 Abaqus 前、后处理 GUI 插件二次开发与应用 田玉泰(63)
- 剪裁 CAD 冲压件的一步逆等几何分析方法 张志功, 刘依娜, 张向奎, 王长生(69)

应用技术与技巧

- CAE 软件操作小百科(75) 何忆南(75)

信息:《计算机辅助工程》征稿启事(封二) 上海海事大学杂志社联合征订单(封三)

广告: Ansys 公司(封四)

[期刊基本参数] CN 31-1679/TP * 1992 * q * A4 * 80 * zh * P * ¥25.00 * 1000 * 13 * 2022-06

Contents

Numerical Simulation of Engineering and CAE Algorithm

Mechanical properties of jacking rectification integral structure based on stiffness ratio	YUE Qingxia , SHEN Zhenkun(1)
Sensitivity analysis of steel reinforced concrete cross-shaped column after fire	... QU Shuang , LI Wei(7)
Orthogonal numerical simulation on seismic performance of RPC coupling beam with small span-to-depth ratio	XIA Xin , HAN Xu(12)
Finite element analysis on eccentric compression behavior of section steel reactive powder concrete column	ZHOU Shaopeng(21)
Simulation algorithm on crack propagation of shell structure based on coupling model of isogeometric analysis and peridynamic	XIA Yang , WANG Hongshuai , ZHENG Guojun , SHEN Guozhe(26)
Analysis of vehicle body deformation in electrophoresis process based on fluid-solid coupling	YU Baojun , ZHU Xuewu , LI Ding , LIU Chuangju , ZHAO Ziqi(34)
aPLI energy absorption space based on pedestrian protection	TAN Binghua , LI Bo , WANG Yajun , XU Lixiao , PAN Yiming(39)
Fatigue fracture analysis and improvement of electric vehicle reducer gear	YAN Bo , KANG Yipo , ZHU Xuewu , LIU Yanling , LI Junlou , ZHANG Youlong(44)
Three dimensional finite element program FemHC for nonlinear heat conduction calculation	LIU Yu , ZHU Keke , WAN Qiuli , WANG Cheng' en(49)
Infinite element method in exterior acoustic field calculation	... MIAO Shuo , SHI Min , REN Chunyu(57)
GUI plugin redevelopment and application of Abaqus pre- and post-processing based on Python	TIAN Yutai(63)
One-step inverse isogeometric analysis method for trimmed CAD stamping parts	ZHANG Zhigong , LIU Yina , ZHANG Xiangkui , WANG Changsheng(69)

Application Technique and Skills

CAE software operation tips(75)	HE Yinan(75)
---------------------------------	--------------