

爆炸与冲击1992年(第12卷)分类题目索引

爆燃与爆轰

- 多孔火药填充床中燃烧转爆轰(DDT)的模拟与分析 周彦煌 王升晨 1 (11)
凝聚炸药的短脉冲冲击起爆 周之查 卫玉章 1 (77)
爆轰传播理论的解析研究方法(六) 孙承纬 1 (89)
含能材料密实床燃烧转爆轰的数值模拟 吴羲 王荫源 2 (97)
用变分法估计热爆炸临界状态参数 秦承森 张同金 2 (106)
均相炸药冲击起爆的一种机理——共振起爆 韩冠人 2 (131)
模型复合推进剂燃烧转爆轰研究 刘德辉 彭培根 2 (150)
火工品飞片起爆的工程计算 周元胜 陈庆生 2 (180)
长方体的热爆炸临界参数估计 秦承森 张同金 4 (313)
汽油云雾中不同氧气、氮气含量对爆轰温度的影响 胡林 邓玉良 孙珠妹 李招宁 4 (326)

冲击波

- 化爆冲击波和炮口冲击波对生物致伤效应的对比研究
..... 杨志焕 王正国 唐承功 姚德胜 陈田 刘正邦 2 (145)
空中爆炸冲击波地面荷载的数值模拟 张洪武 何扬 张昌权 2 (156)
烧蚀波 R-T 不稳定性——辐射热传导及密度分布效应研究 徐乃新 陈进 3 (193)
钨珠对铝、铜靶侵彻的数值研究与分析 曹菊珍 周淑荣 于志鲁 傅振 3 (199)
球形扁壳在冲击载荷作用下的超临界变形 宁建国 杨桂通 3 (206)
冲击波对核反应堆安全壳的动力响应研究 余莹萍 王远功 翁智远 3 (219)
爆轰波推动金属球壳的初始态分析 张志刚 3 (228)
高压短脉冲激波的传播与衰减 袁钢 周光泉 唐志平 李欣增 4 (307)

弹塑性波

- 含缺陷的固支梁受冲击载荷作用的实验研究 杨嘉陵 余同布 张元 1 (22)
SH 波作用下各向异性介质中裂缝的侧向扩展——振动方法 刘国利 刘殿魁 1 (38)
隐式 Newmark 法分析波动问题精度的探讨 方秦 1 (45)
爆炸荷载下矩形板的塑性动力响应 刘土光 朱科 郑际嘉 2 (166)
Winkler 地基上弹性圆薄板受刚体撞击的动力响应 黄伟 邹毅达 3 (239)
载荷作用区域对刚塑性简支梁动力响应的影响 赵亚溥 3 (247)

状态方程 本构关系

- 多项式形式 Mie—Grüneisen 物态方程及其等熵线 王继海 1 (1)
有机玻璃在高应变率下的损伤型非线性粘弹性本构关系及破坏准则
..... 周风华 王礼立 胡时胜 4 (333)

材料动态性能

- 铝-锂合金动态扭转实验研究 田兰桥 C. Sturt B. Dodd 1 (68)
振动法分析各向异性介质中 I 型裂缝的侧向扩展 刘殿魁 刘国利 2 (120)
延性介质动态损伤模型 王泽平 郑坚 安钢 沈寿榕 2 (136)
爆炸金属管的绝热剪切断裂宏观研究
..... 胡八一 董庆东 韩长生 胡海波 王德生 高新华 4 (319)

爆炸驱动和动高压技术

点引爆圆板装药驱动飞板的实验及二维数值模拟 庄仕明 刘文翰 孙承纬 4 (289)

水 中 爆 炸

水压控制爆破合理参数的确定 金淳金 4 (363)

土 岩 及 工 程 爆 破

填石排激法中的爆炸作用 许连坡 1 (54)

用高速摄影法确定大区爆破微差时间的研究 黄政华 吴灵光 吴其苏 2 (115)

爆炸荷载作用下封墙立柱运动参数的近似计算 陈志林 2 (170)

定向爆破治理滑坡 赵福兴 姚 兔 3 (233)

控制爆破拆除大型球磨机基础 马殿良 3 (251)

光面爆破装药不耦合系数的计算 曹鸿群 李守臣 何庆志 3 (270)

工程爆破问题数值模拟研究 刘育魁 姚 兔 4 (297)

露天矿台阶爆破合理微差间隔时间的研究与应用 高晓初 吴从师 宋新辉 4 (350)

抗 爆 工 程 与 爆 炸 安 全 技 术

弱冲击波对人员内脏损伤的危险性估计 杨志焕 王正国 唐承功 刘大维 姚德胜 刘正邦 陈 四 1 (83)

冲击波对核反应堆安全壳的动力响应研究 余爱萍 王远功 龚智远 3 (219)

炸 药 和 爆 炸 器 材

含能材料合成研究发展 施明达 洪美林 2 (185)

关于梯黑(35/65)炸药体胀规律的研究 陈生玉 王少龙 王致廉 3 (275)

实 验 方 法 和 测 试 技 术

Hopkinson 冲击拉杆的改进及应用 宋顺成 田时雨 1 (62)

用高速摄影法确定大区爆破微差时间的研究 黄政华 吴灵光 吴其苏 2 (115)

曲面拟合在拉格朗日反分析方法中应用的探讨 朱华友 唐志平 3 (259)

对落锤仪中落锤运动的监测与分析 奚汉生 陈远龄 4 (357)

数 值 模 拟 与 计 算

多孔火药填充床中燃烧转爆轰(DDT)的模拟与分析 周彦煌 王升晨 1 (11)

用冲击法测试桩静承载力的数值讨论 傅铁铭 1 (30)

用变分法估计热爆炸临界状态参数 秦承森 张同金 2 (108)

振动法分析各向异性介质中Ⅲ型裂纹的侧向扩展 刘殿魁 刘国利 2 (120)

镀镍对铝、钢靶侵彻的数值研究与分析 曹菊珍 周淑荣 于志鲁 傅 楠 3 (199)

高速钢球在水中贯穿过程的数值计算 王肖钩 赵 斯 3 (213)

曲面拟合在拉格朗日反分析方法中应用的探讨 朱华友 唐志平 3 (259)

高压气体冲击流场的数值研究 张福祥 曹从咏 4 (343)

讲 座

爆轰传播理论的解析研究方法(六) 孙承纬 1 (89)

含能材料合成研究进展 施明达 洪美林 2 (185)

炸药发展的现状和趋势 李常青 3 (280)

EXPLOSION AND SHOCK WAVES 1992 (Vol. 12)

ANALYTIC SUBJECT INDEX

Deflagration and Detonation

- Modeling of deflagration-to-detonation transition (DDT) in porous propellant beds Zhou Yanhuang, Wang Shengchen 1 (11)
Short duration shock initiation of condensed explosives Zhou Zhikui, Wei Yuzhang 1 (77)
Analytic methods in the theory of detonation propagation VI Sun Chengwei 1 (89)
Numerical simulation of deflagration-to-detonation transition in high-loading energetic material beds Jiang Xi, Wang Sunyuan 2 (97)
Thermal explosion critical state parameters estimated with variational method Qin Chengsen, Zhang Tongjin 2 (106)
A possible mechanism of initiation of detonation of homogeneous condensed explosives—Resonant initiation Zhang Guanren 2 (131)
Studies in the transition from deflagration to detonation in model composite propellants Liu Dehui, Peng Peigen 2 (150)
Engineering calculation of the initiation of explosive by a flyer for blasting Zhou Tiansheng, Chen Qingsheng 2 (180)
Critical parameter estimations of the regular hexahedron for thermal explosion Qin Chengsen, Zhang Tongjing 4 (313)
The influence of oxygen (or nitrogen) in the gasoline spray on the detonation temperature Hu dong, Deng Yuliang, Sun Zhumei, Li Zhaoning 4 (326)

Shock Waves

- Comparative studies on the biological effects of chemical explosion blast waves and gun muzzle blast waves Yang Zhihuan, Wang Zhengguo, Tang Chenggong, Yao Desheng, Chen Tian, Liu Zhengbang 2 (145)
Numerical simulation on ground surface loading of shock wave from air explosions Zhang Hongwu, He Yang, Zhang Changquan 2 (156)
Rayleigh-taylor instability of the ablative wave-effects studies of radiation heat conduction and distribution of mass density Xu Naixin, Chen Jin 3 (193)
Numerical study and analysis of the aluminium or steel target penetrated by wolfram ball Cao Juzheng, Zhou Shurong, Yu Zhilu, Fe Yin 3 (199)
Supercritical deformations of shallow spherical shells under impact Ning Jianguo, Yang Guitong 3 (206)
Transient response of a containment structure of nuclear reactor subjected to A blast wave Yu Aiping, Wang Yuangong, Weng Ziyuan 3 (219)

- Initial state of spherical metal shell driven by detonation of explosive**
..... Zhang Zhigang 3 (228)
- Propagation and of decay of short duration pulsed shock waves with high pressure**
..... Yuan Gang, Zhou Guangquan, Tang Zhiping, Li Xinzen 4 (307)
- Elastic-Plastic Waves**
- Experiments on the clamped imperfect beams subjected to impact**
..... Yang Jialing, Yu Tongxi, Zhang Yuan 1 (22)
- Kinking crack under SH-wave in anisotropic media——perturbation method ...**
..... Liu Guoli, Liu Diankui 1 (38)
- Studies on the accuracy of finite element analysis of implicit Newmark method for wave propagation problems**
..... Fang Qin 1 (45)
- Dynamic plastic response of rectangular plates subjected to blast loading**
..... Liu Tuguang, Zhu Ke, Zheng Jijia 2 (166)
- The dynamic response of an elastic circular plate on a viscoelastic Winkler foundation impinged by a moving rigid body**
..... Huang Wei, Zou Yida 3 (239)
- The influence of loading area on the dynamic plastic behavior of simply supported rigid-plastic beams**
..... Zhao Yapu 3 (247)
- Equation of state, Constitutive Relation**
- Polynomial form of Mie—Grüneisen equation of state and its isentropes**
..... Wang Jihai 1 (1)
- A damage-modified nonlinear visco-elastic constitutive relation and failure criterion of PMMA at high strain-rates**
..... Zhou Fenghua, Wang Lili, Hu Shisheng 4 (333)
- Dynamic Proper of Materials**
- Study on dynamic torsional test of Al—Li alloy**
..... Tian Lanqiao, C. Sturt, B. Dodd 1 (68)
- Perturbation method to analyze the propagation of mode II crack kinking in an anisotropic medium**
..... Liu Diankui, Liu Guoli 2 (120)
- A dynamic ductile failure model**
..... Wang Zeping, Zheng Jian, An Gang, Yun Shourong 2 (136)
- The macroscopic study of adiabatic shear fracture of metal tubes under explosive loading**
..... Hu Bayi, Dong Qingdong, Han Changsheng, Hu Haibo, Wang Desheng, Gao Xinhua 4 (319)
- Explosive Driving and Dynamic High Pressure Technique**
- Experimental measurements and 2D numerical simulations of the motion of flyers driven by slab charge initiated at centred point**
..... Zhuang Shiming, Liu Wenhan, Sun Chengwei 4 (289)

Under Water Explosion

- Determination of proper parameters of water pressure control blasting
 Jin Chungui 4 (363)

Engineering Blast and Blast in Soil and Rocks

- Effect of blasting on fill settlement in toe-shooting method Xu Lianpo 1 (54)
 Study of suitable millisecond-time in large area differential blasting by high-speed
 photograph Huang Zhenghua, Wu Lingguang, Wu Qiu 2 (115)
 An approximate method for calculations of the blocking-up plate-column structure
 under blast loading Chen Zhilin 2 (170)
 Preventing and treating landslide by directional blasting
 Zhao Fuxing, Yao Yao 3 (233)
 A large ball mill base was demolished with controlled blasting ... Man Junliang 3 (251)
 Determination of decouple coefficient and analysis of decouple action in the smooth
 blasting Fei Honglu, Li Shouju, He Qingzhi 3 (270)
 Numerical simulation of engineering blast Liu Yukui, Xiao Ge 4 (297)
 A approach to reasonably selecting delay interval of bench blasting an its use
 Gao Xiaochu, Wu Chongshi, Song Xinhui 4 (350)

Blast Protection Engineering and Explosion Safety Technology

- Critical estimation of the internal organ injury in human being subjected to weak
 blast waves Yang Zhihuan, Wang Zhengguo,
 Tang Chengon, Liu Dawei, Yao Desheng, Liu Zhengbang, Chen Tian 1 (83)
 Transient response of a containment structure of nuclear reactor subjected to A
 blast wave Yu Aiping, Wang Yuangong, Weng Ziyuan 3 (219)

Explosive and Explosive Component

- Research and development on synthesis for energetic materials
 Shi Mingda, Hong Guanlin 2 (185)
 Investigation of the volume expansion rule for composition B
 Chen Shengyu, Wang Shaolong, Wang Xiaolian 3 (275)

Experimental Methods and Techniques

- Dynamic tensile testing of materials using the hollow Hopkinson bars instead of
 the solid Hopkinson bars Song Shuncheng, Tian Shiyu 1 (62)
 Study of suitable millisecond-time in large area differential blasting by high-speed
 photograph Huang Zhenghua, Wu Lingguang, Wu Qiu 2 (115)
 Studies on the application of curved surface-fitting method to lagrangion inverse
 analysis Chai Huayou, Tang Zhiping 3 (259)
 On monitor and analysis of hammer motion in drop hammer machine
 Gong Hangsheng, Cheng Yuanling 4 (357)

Numerical Modeling and Computations

- Modeling of deflagration-to-detonation transition (DDT) in porous propellant beds Zhou Yanhuang, Wang Shengchen 1 (11)
- Numerical discussions on shock measuring for static bearing capacity of single pile Fu Tiebing 1 (30)
- Thermal explosion critical state parameters estimated with variational method Qin Chengsen, Zhang Tongjin 2 (106)
- Perturbation method to analyze the propagation of mode I crack kinking in an anisotropic medium Liu Diankui, Liu Guoli 2 (120)
- Numerical study and analysis of the aluminium or steel target penetrated by wolfram ball Cao Juzheng, Zhou Shurong, Yu Zhiyu, Fei Yin 3 (199)
- Numerical study of a steel ball penetrating in water with high speed Wang Xiaojun, Zhao Xin 3 (213)
- Studies on the application of curved surface-fitting method to lagrangian inverse analysis Chai Huayou, Tang Zhiping 3 (259)
- Numerical studies of high pressure gas shocked flow field Zhang Fuxiang, Cao chongyou 4 (343)

Lectures

- Analytic methods in the theory of detonation propagation VI Sun Chengwei 1 (89)
- Research and development on synthesis for energetic materials Shi Mingda, Hong Guanlin 2 (185)
- Present status and trend of explosive development Li Changqing 3 (280)