

## 爆炸与冲击1988年(第8卷)分类题目索引

### 爆燃与爆轰

- 粘弹塑性热点燃烧模型的冲击起爆理论.....章冠人 3 (210)

### 冲击波

- 非线性弹性介质中冲击波斜反射的研究.....李永池 刘鲁峰 唐之景 1 (7)  
冲击波绕过外凸壁面后物理参数的简化计算.....齐世福 张友龙 4 (352)

### 弹塑性波

- 弹塑性激波衰减规律的一种简便解法.....李永池 魏勇 丁启财 3 (193)  
楔形杆中弹塑性波的一种渐近展开式.....茹重庆 王仁 3 (202)  
在冲击载荷作用下结构大变形的挠度估计.....华自力 余同希 4 (306)

### 状态方程 本构关系

- 一种饱和粘土本构模型的实验研究.....周光泉 李永池 丁刚 4 (299)

### 材料动态性能

- 爆炸加载时光弹性材料动态性能参数的测定.....朱振海 1 (29)  
层状介质中受冲击载荷的断裂问题.....程新 4 (329)  
高锰钢爆炸硬化理论分析.....陈勇富 洪有秋 4 (345)

### 爆炸驱动和动高压技术

- 线型聚能装药的理论研究.....曾新吾 薛鸿陆 2 (97)  
拉断后射流对钢靶的随机侵彻.....丁雁生 2 (113)  
圆柱形有壳装药侧向飞散速度分布的预估.....张寿齐 3 (215)  
聚能线型切割器最佳张开角的理论分析.....张凯 李晓杰 4 (316)

### 土岩爆破

- 层状岩体光面爆破效果的理论分析.....张奇 1 (60)  
城区爆破作业对环境的影响.....朱瑞康 吴绵拔 蔡金祥 1 (80)  
圆筒形容器状构筑物水压控制爆破机理及药量公式.....吴新霞 2 (106)  
建筑物拆除爆破设计原理和方法.....金骥良 王中黔 2 (139)  
宽孔距爆破机理及其合理的孔距与排距.....邓正道 2 (152)  
水压控制爆破药量计算公式.....朱立昌 2 (159)  
条形空腔分集药包若干设计问题的研究.....陶纪南 2 (167)  
预裂爆破设计参数的理论分析.....董振华 周祖仁 舒大强 3 (236)  
药孔与水压装药综合起爆拆除水塔的理论与实践.....高育滨 3 (267)

台阶爆破破碎度的分布规律·····	栾龙发 王文龙	3 (273)
筒形建筑物爆破拆除的失稳原理及其参数·····	张奇	4 (358)

### 抗爆工程与爆破安全技术

地层基床系数对竖井结构动力响应的影响·····	翁智远 徐邦伟	1 (15)
建筑物爆炸泄压的试验研究·····	王宝兴 杜兰平 裴惠芬 胡英年 李操彦	1 (37)
粉尘爆炸·····	杨昇田 冯振生	1 (45)
应力波与带软衬垫的地下结构动力相互作用·····	方秦 钱七虎	4 (289)

### 炸药和爆炸器材

一种可作民用高压能源的化学药剂·····	张彦洪	1 (77)
一种以2*炸药为主要成份的塑料粘结炸药·····	李秉仁	3 (261)
从分子结构式估算凝聚炸药最高装药密度·····	周富信 唐沧雅 陈致英	4 (337)

### 实验方法与测试技术

球面激波在固壁的马赫反射(II)·····	徐彬 张寒虹 陈志坚 郭长铭	1 (25)
爆炸加载时光弹性材料动态性能参数的测定·····	朱操海	1 (29)
棱镜转向机构在爆轰测试中的应用·····	韩立石	1 (67)
闪光X射线长幅摄影技术及初步应用·····	李延年	1 (73)
气体炮及其常规测试技术(一)·····	王金贵	1 (89)
圆柱壳在外压和轴向冲击联合作用下的稳定性实验研究·····	张延教 韩铭宝	2 (130)
数字图象处理技术在碎片杀伤战斗部试验诊断中的应用·····	吴世法	2 (146)
爆炸载荷下大变形的阴影云纹测量术·····	张寒虹 胡晓军	2 (175)
气体炮及其常规测试技术(二)·····	王金贵	2 (186)
预裂爆破设计参数的理论分析·····	董振华 周祖仁 舒大强	3 (236)
YM-2膜式镲应力传感器及其动态压阻特性·····	陈雪芳 马法成 张若棋	3 (243)
气炮用锰铜应力计·····	胡泽根 吴光华 曹述生	3 (249)
固体炸药爆轰温度的实验研究·····	韩成邦 史慧生 康淑芳	3 (255)
聚能破甲效应(一)·····	梁德寿	3 (281)
一种饱和粘土本构模型的实验研究·····	周光泉 李永池 丁刚	4 (299)
冲击载荷下岩石动态断裂韧度测定的实验技术·····	唐春安 徐小荷	4 (323)
聚能破甲效应(二) 聚能破甲技术和理论的近期发展·····	曾宗元	4 (366)

### 数值模拟与计算

激光引爆PETN炸药的数值模拟·····	孙承伟	1 (1)
柱形爆电换能器的理论研究·····	林其文 袁万宗	1 (53)
复合弹体撞地的HELP计算方法初步计算·····	·····	·····
·····	胡秀章 李永池 金镜泉 王肖钧 李宗芬	2 (124)
二维数值模拟爆轰中化学反应率的应用·····	刘尔岩 姜幼明	2 (135)
用二维欧拉方法模拟滑移爆轰作用下金属圆筒的收敛运动·····	封加波 苏林祥	3 (222)

## 讲 座

气体炮及其常规测试技术(一).....	王金贵	1	( 89 )
气体炮及其常规测试技术(二).....	王金贵	2	( 186 )
聚能破甲效应(一).....	梁德寿	3	( 281 )
聚能破甲效应(二) 聚能破甲技术和理论的近期发展.....	曾宗元	4	( 366 )

## EXPLOSION AND SHOCK WAVES 1988 (Vol. 8) ANALYTIC SUBJECT INDEX

### Deflagration and Detonation

- Theory of Initiation of Hot Spot in Heterogeneous Explosive with Visco-Elastic-Plastic and Combustion Model ..... Zhang Guanren 3 (210)

### Shock Waves

- Studies on Oblique Reflection of Shock Wave in Nonlinear Elastic Media ..... Li Yongchi, Liu Lufeng, Tang Zhijing 1 (7)
- A Simplified Calculation of Physical Parameters of A Planar Shock Wave Flowing around An Out Bumped Surface ..... Qi Shifu, Zhang Youlong 4 (352)

### Elastic-Plastic Waves

- A Simple and Convenient Solution for the Attenuation of an Elastic-Plastic Shock Wave ..... Li Yongchi, Wei Yong T. C. T. Ting 3 (193)
- An Asymptotic Expansion for Elastic-Plastic Waves in a Wadge Rod ..... Ru Chongqing, Wang Ren 3 (202)
- A Method of Estimating the Large Deflection of Structures under Impulsive Loading ..... Hua Zili, Yu Tongxi 4 (306)

### Equation of State, Constitutive Relation

- Experimental Study for the Constitutive Model of A Saturation Clay ..... Zhou Guangquan, Li Yongchi, Ding Gang 4 (299)

### Dynamic Properties of Materials

- Determination of Dynamic Characteristic Parameters of Photoelastic Materials under Explosive Loading ..... Zhu Zhenhai 1 (29)
- Crack in Laminated Media under Impact Loading ..... Cheng Jin 4 (329)
- A Theoretical Analysis of Hardening of Haldfield Steel by Explosion ..... Chen Yongfu, Hong Youqiu 4 (345)

### Explosive Driving and Dynamic High Pressure Technique

- A Theoretical Study on Linear Shaped Charge ..... Zeng Xinwu, Xue Honglu 2 (97)
- Random Penetration of Broken Jet into Steel Target ..... Ding Yansheng 2 (113)
- A Prediction of the Fragments Velocity Distribution for Cylindrical Explosive Charge Casings ..... Zhang Shouqi 3 (215)
- Theoretical Analysis of the optimal Opening Angle of an Explosive Cutter ..... Chang Kai, Li Xiaojie 4 (316)

### Blast in Soil and Rocks

Theoretical Analysis of Smooth Blasting Effects in Layered Rock Structure.....	Zhang Qi	1	( 60 )
The Effects of Blasting on Urban Environment.....	Zhu Ruigeng, Wu Mianba, Cai Jinxiang	1	( 80 )
Collapse Mechanism and Charge Weight Calculating Formula of Hydraulic Pressure Controlled Blasting for Cylindrical Containers.....	Wu Xinxia	2	( 106 )
Design Principles and Methods of Blasting for Demolishing Structures.....	Jin Jiliang, Wang Zhongqian	2	( 139 )
Mechanism of Wide Spacing Short Delay Blasting and Its Proper Burden and Spacing of the Holes.....	Deng Zhengdao	2	( 152 )
Calculating Formula for the Quantity of Charge in Water Pressure Controlled Blasting.....	Zhu Lichang	2	( 159 )
The Research on Some Designing Problems for Column Divided Charge with Space.....	Tao Jinan	2	( 167 )
Theoretical Analysis of Design Parameters for Presplitting Blast.....	Dong Zhenhua, Zhou Zuren, Shu Daqiang	3	( 236 )
Demolishing Water-Towers by Means of Wall-Hole Charges and in Water Charges: Its Theory and Practice.....	Gao Yubin	3	( 267 )
The Distributed Laws on the Fragmental Degree in Bench Blasting.....	Luan Longfa, Wang Wenlong	3	( 273 )
Imbalance Theory of Tube-Shaped Structures in process of Blasting Demolish and Analyses of Some parameters.....	Zhang Qi	4	( 358 )

### Blast Protection Engineering and Explosion Safety Technology

Influence of Ground Resistance Coefficient to the Dynamic Response of Shaft Structure.....	Weng Zhiyuan, Xu Bangwei	1	( 15 )
Experimental Research on Explosion Venting of the Building.....	Wang Baoxing, Du Lanping, Pei Huifen, Hu Yingnian, Li Zhenyan	1	( 37 )
Dust Explosion.....	Yang Shengtian, Feng Zhensheng	1	( 45 )
Dynamic Interaction Between Stress Waves and Underground Structure with Crushable Backpacking.....	Fang Qian, Qian Qibu	4	( 289 )

### Explosives and Explosive Components

A Kind of Chemicals Useful for Civil High Pressure Source.....	Zhang Yanhong	1	( 77 )
A Plastic Bonded Explosive Based on Bis( $\beta,\beta,\beta$ -Trinitroethyl-N-Nitro) Ethylenediamine.....	Li Bingren	3	( 261 )
Density Estimations for Explosives from Their Molecular Structural Formula.....	Zhou Fuxin, Tang Cangya, Chen Zhiying	4	( 337 )

### Experiment Methods and Techniques

Mach Reflection of Spherical Shock Wave on Rigid Wall (II).....		
..... Xu Bin, Zhang Hanhong, Chen Zhijian, Guo Changming	1	( 25 )
Determination of Dynamic Characteristic Parameters of Photoelastic Materials under Explosive Loading.....		
..... Zhu Zhenhai	1	( 29 )
Application of the Prism Turning Mechanism in Explosion Measurement.....		
..... Han Lishi	1	( 67 )
Long Frame Flash X-Ray Cineradiography and Its Preliminary Use.....		
..... Li Yannian	1	( 73 )
Gas Gun and Its Ordinary Measuring Techniques (I).....		
..... Wang Jingui	1	( 89 )
An Experimental Study of Instability of Cylindrical Shells under External Pressure and Axial Impact.....		
..... Zhang Yanjiao, Han Mingbao	2	( 130 )
Application of Digital Image Processing in the Diagnostic of Fragmentations of the Warhead.....		
..... Wu Shifa	2	( 146 )
Measurement of Intense Strain under Explosion Loading by Shadow Moire Method.....		
..... Zhang Hanhong, Hu Xiaojun	2	( 175 )
Gas Gun and Its Ordinary Measuring Techniques (II).....		
..... Wang Jingui	2	( 186 )
Theoretical Analysis of Design Parameters for Presplitting Blast.....		
..... Dong Zhenhua, Zhou Zuren, Shu Daqiang	3	( 236 )
YM-2 Ytterbium Stress Transducer and Its Piezoresistance Behavior.....		
..... Chen Xuefang, Ma Facheng, Zhang Ruoqi	3	( 243 )
A Manganin Gauge Used in Gas Gun.....		
..... Hu Zegen, Wu Guanghua, Cao Shusheng	3	( 249 )
Experimental Studies on Detonation Temperature of Solid High Explosives.....		
..... Han Chengbang, Shi Huisheng, Kang Shufang	3	( 255 )
Shaped Charge and Its Penetration (I).....		
..... Liang Deshou	3	( 281 )
Experimental Study for the Constitutive Model of Saturation Clay.....		
..... Zhou Guangquan, Li Yongchi, Ding Gang	4	( 299 )
Experimental Technique for Measuring Dynamic Fracture Toughness of Rock under Stress Wave Loading.....		
..... Tang Chunan, Xu Xiaohe	4	( 323 )
Shaped Charge and Its Penetration (II) Recent development of Shaped Charge Technology and Theory.....		
..... Zeng Zongyuan	4	( 366 )

### Numerical Modeling and Computations

Numerical Simulation of Laser Initiation in PETN.....		
..... Sun Chengwei	1	( 1 )
Theoretical Investigation on Cylindrical Explosive-Electric Transducer.....		
..... Lin Qiwen, Yuan Wanzong	1	( 53 )
A Preliminary Computation for the Impact of a Composite Missile to the Earth by HELP Method.....		
..... Hu Xiouzhong, Li Yongchi, Jin Jingquan, Wang Xiaojun, Li Zongfen	2	( 124 )

Application of Chemical Reaction Rates in Two-Dimensional Numerical Simulation of Detonation .....	Liu Eryan, Jiang Youming	2	(135)
Numerical Simulation of Convergent Motion of a Metal Cylindrical Shell under Sliding Detonation by a 2-D Eulerian Code .....	Feng Jiabo, Su Linxiang	2	(222)

### Lecture

Gas Gun and Its Ordinary Measuring Techniques (I) .....	Wang Jingui	1	(89)
Gas Gun and Its Ordinary Measuring Techniques (II) .....	Wang Jingui	2	(186)
Shaped Charge and Its Penetration(I) .....	Liang Deshou	3	(281)
Shaped Charge and Its Penetration (II) Recent Development of Shaped Charge Technology and Theory .....	Zeng Zongyuan	4	(366)