

爆炸与冲击1985年(第5卷)分类题目索引

爆燃与爆轰

- 球面爆轰波的数值模拟.....肖作智 2 (51)
冲击波起爆炸药的拉格朗日分析方法.....沈石 薛鸿陆 3 (20)
定常爆轰数值模拟中化学反应率与人为粘性的相关性.....刘尔岩 3 (35)

冲击波

- 金属表面正规斜碰和射流极限角.....王继海 1 (1)
核爆炸冲击波作用下土中浅埋刚性结构动力反应分析.....陈震元 钱七虎 2 (24)
空气冲击波遇运动刚壁反射时壁面超压的计算.....陈志林 4 (31)
空中爆炸冲击波(I)基本理论.....乔登江 4 (78)

弹塑性波

- 受冲击NaI晶体的温度和弹-塑性卸载.....谭华 徐达 3 (76)

状态方程 本构关系

- 钛合金TB-2在高应变率下的动态应力应变关系.....王礼立 胡时胜 1 (9)
高压气体状态方程.....陈致英 周富信 2 (11)
薄层复合材料的等效格临爱森状态方程.....张若琪 2 (18)

材料动态性能

- 钛合金TB-2在高应变率下的动态应力应变关系.....王礼立 胡时胜 1 (9)
钛合金应力波铆接中绝热剪切的显微分析.....卢维纲 陆在庆 1 (67)
横观各向同性材料动态力学性能试验中的试件最佳尺寸.....唐志平 2 (1)
核爆炸冲击波作用下土中浅埋刚性结构动力反应分析.....陈震元 钱七虎 2 (24)
材料在脉冲加热下的动响应实验.....
.....李清源 蒋垣昆 杜世刚 宋林西 薛克珍 马维仪 3 (27)
材料动态屈服应力的实验测定.....陈裕泽 乐国培 经二力 4 (24)

爆炸驱动和动高压技术

- 薄层炸药驱动飞片的性能.....
.....卫玉章 周之奎 赵玉华 孙顺进 张寿齐 邓全农 苏林祥 3 (49)
对一组有机玻璃粒子速度测量波形的拉氏分析.....李孝兰 4 (45)

空气中爆炸

- 空中爆炸冲击波(I)基本理论.....乔登江 4 (78)

土岩爆破

水泥试块中小药量爆破漏斗试验——球状和柱状装药爆破效果分析·····	成裕煌	1	(40)
弹性波法在岩土爆破工程中的应用·····	黄承贤	1	(49)
压碴爆破方法和经济效果·····	张生善 徐金议	1	(72)
38米钢筋砼烟囱倾倒过程的力学分析·····	许连城	2	(59)
垂直条形药包土中半压缩爆炸成型·····	陶纪南	3	(42)
关于爆破相似律的一些问题·····	许连城	4	(1)
瞬态波形的频谱分析及在岩石动力学中的应用·····	李廷芥 洪炯莹	4	(10)

爆炸加工

滑移爆轰作用下的金属复板运动·····	邵丙琪 张登霞 李国蒙 周之洪	3	(1)
---------------------	-----------------	---	-----

抗爆工程与爆炸安全技术

计入结构-介质动力相互作用的地下结构抗爆计算·····	曾志远 张耀勤	1	(16)
钢板混凝土梁的动力计算与抗爆分析·····	刘宗贤	1	(24)
爆破作业安全技术·····	冯叔瑜	1	(91)
内爆炸荷载作用下地下竖井的动力响应·····	翟 桐 曾志远	3	(13)
爆炸荷载下坑道振动规律及安全性估计·····	杨昇田	4	(17)

炸药和爆炸器材

低爆速炸药性能研究·····	陈勇富 洪有秋	2	(73)
S J Y 炸药及其应用·····	吕春绪 胡 刚 吴腾芳	3	(54)

实验方法和测试技术

超高速相机与底片系统的光度性能·····	谭显祥	1	(60)
单轴应变亚微秒应力脉冲试验技术·····	沈乐天 吴嵩毓	1	(77)
复摆式爆炸振动参数测量仪及其测试方法·····	龚振鹏	1	(80)
对一种新的爆压测试方法——二碘甲烷法——的研究·····	于德洋 曾雄飞 徐 康	2	(69)
一种观测药柱中爆轰波发展规律的扫描摄影方法·····	杨权中 范宝春 杨崇惠	2	(81)
爆轰测试方法基础(二)高速光测技术·····	吴世法	2	(87)
弹速1400米/秒的57毫米气炮阀门·····	林俊德	3	(60)
多火花式动态光弹性仪在爆炸力学实验中的初步应用·····	朱振海 杨永琦	3	(67)
爆轰测试方法基础(三)闪光X射线照相技术·····	张寿云	3	(89)
材料动态屈服应力的实验测定·····	陈裕泽 乐国培 经二力	4	(24)
口径57毫米单级压缩轻气炮·····	杨柏全 曹述生 林俊德	4	(54)
压电电流石英传感器及其动态标定·····	吴嵩毓	4	(61)
在冲击载荷下铅自由面及其微物质喷射前沿边界的同时观测·····	温殿英	4	(66)

弹丸入水空穴的试验研究.....	陈先富	4	(70)
测量低压力脉冲载荷的补偿桥式脉冲电源.....			
.....	马法成 孟宪奇 陈雪芳 吕秀芬	4	(74)

数值模拟和计算

HEL P 方法在浅埋爆炸计算中的应用.....	王肖钧 胡秀章 李宗芬	2	(34)
竖井堵塞的一、二维耦合计算.....	张永家 李小梅 李邦固	2	(42)
球面爆轰波的数值模拟.....	肖作智	2	(51)
内爆炸荷载作用下地下竖井的动力响应.....	翟 桐 曹志远	3	(13)
冲击波起爆炸药的拉格朗日分析方法.....	浣 石 薛鸿陆	3	(20)
定常爆轰数值模拟中化学反应率与人为粘性的相关性.....	刘尔岩	3	(35)
HEL P 程序模拟炸药与固体相互作用的研究.....	殷志远 封加波	1	(40)

讲 座

爆破作业安全技术.....	冯叔瑜	1	(91)
爆轰测试方法基础(二)高速光测技术.....	吴世法	2	(87)
爆轰测试方法基础(三)闪光X射线照相技术.....	张寿云	3	(89)
空中爆炸冲击波(I)基本理论.....	乔登江	4	(78)

EXPLOSION AND SHOCK WAVES 1985(Vol.5)

ANALYTIC SUBJECT INDEX

Deflagration and Detonation

- Numerical Simulation of Spherical Detonation WavesXiao Zuozhi 2 (51)
 Method of Lagrange Analysis in the Study of Shock Initiation of Heterogeneous Condensed Explosives Huan Shi, Xue Honglu 3 (20)
 Relation between Artificial Viscosity and Chemical Reaction Rate Law in Numerical Simulation of Steady Detonation Liu Eryan 3 (35)

Shock Waves

- Regular Oblique Collision of Metal Surfaces and Critical Angle of Jet FormationWang Jihai 1 (1)
 Dynamic Response Analysis of a Rigid Structure Covered by Soil under the Action of Nuclear ExplosionChen Zhenyuan, Qian Qihu 2 (24)
 Overpressure Calculation on the Reflection of Air Shock Waves With Moving Rigid Wall Chen Zhilin 4 (31)
 Explosion Waves in Air (I) Basic TheoryQiao Dengjiang 4 (78)

Elastic-Plastic Waves

- Temperatures of Shocked NaI Crystal and Its Elastic-Plastic Release Behavior Tan Hua, Xu Da 3 (76)

Equation of State, Constitutive Relation

- The Dynamic Stress-Strain Relation of Ti-Alloy TB-2 under High Strain-Rates Wang Lili, Hu Shisheng 1 (9)
 Equations of State of High Pressure GasesChen Zhiyin, Zhou Fuxin 2 (11)
 An Effective Grüneisen Equation of State for Laminated Composite materials Zhang Ruoqi 2 (18)

Dynamic Properties of Materials

- The Dynamic Stress-Strain Relation of Ti-Alloy TB-2 under High Strain-Rates Wang Lili, Hu Shisheng 1 (9)
 The Microscopic Analysis of Adiabatic Shear for a Titanium-Alloy in the Stress-Wave-RivetingLu Weixian, Lu Zaiqing 1 (67)
 Optimum size of transversal Isotropic Specimen in Dynamic Testing Using the Split Hopkinson Pressure Bar Tang Zhiping 2 (1)
 Dynamic Response Analysis of a Rigid Structure Covered by Soil under the Action of Nuclear Explosion Chen Zhenyuan, Qian Qihu 2 (24)
 Experiments on Dynamic Response of Materials under Pulsed Heating Li Qingyuan, Jiang Yuankun, Du Shigang, Shong Linxi, Xue Kezheng, Ma Weiyi 3 (27)

- Experimental Investigations on Determination of the Dynamic Yield Stress of Metals Chen Yuze, Le Guopei, Jing Erli 4 (24)

Explosive Driving and Dynamic High Pressure Technique

- Performance of the Thin Explosive Driving a Flyer Wei Yuzhang, Zhou Zhikui, Zhao Yuhua, Sun Shunjin, Zang Shouqi, Deng Quannong, Su Linxiang 3 (49)
- Lagrangian Analysis for a Set of Particle Velocity Profiles Measured in PMMA Li Xiaolan 4 (45)

Explosion in Air

- Explosion Waves in Air (1) Basic Theory Qiao Dengjiang 4 (78)

Blast in Soil and Rocks

- Experiments of Blasting Funnel with a Small Amount of Powder in Cement Blocks-Analysis on the Blasting Effects of Spherical and Cylindrical Charges Cheng Yuhuang 1 (40)
- Applications of Elastic Wave Method in the Blasting in Soil and Rocks Huang Chengxian 1 (49)
- Method of Buffer Blasting and Its Economic Effects Zhang Shengshan, Xu Jinhan 1 (72)
- Mechanical Analysis on Toppling Movement of 38m Reinforced Concrete Chimney Xu Lianpo 2 (59)
- Semcompact Explosive Forming of a Vertical Linear Charge in Soil Tao Jinan 3 (42)
- Some Problems about the Law of Similitude in Blasting Xu Lianpo 4 (1)
- Spectral Analysis of Transient Wave forms and Its Applications in Rock Dynamics Li Tingjie, Hong Minxuan 4 (10)

Explosive Working

- Motion of the Flyer Plate under Glancing Detonation Shao Binghuang, Zang Dengxia, Li Guohao, Zhou Zhihong 3 (1)

Blast Protection Engineering and Explosion Safety Technology

- Response Analysis on the Underground Structures Including Structure-Soil Dynamic Interaction under Blast Loading Cao Zhiyuan, Zhang Yaoqin 1 (16)
- The Dynamic Calculation and the Anti-Blast Analysis for the Composite Steel-Concrete Beams Liu Zongxian 1 (24)
- Safety Technology for Blasting Feng Shuyu 1 (91)
- Dynamic Response of Underground Vertical Well Subjected to Interior Explosion Zhai Tong, Cao Zhiyuan 3 (13)
- Vibration Law and Safety Estimate of the Tunnel Subjected to Blasting

..... Yang Shengtian 4 (17)

Explosives and Explosive Components

- Investigation of the properties of Low-Detonation Velocity Explosives
 Chen Yongfu, Hong Youqiu 2 (73)
- SJY Explosive and Its Applications.....
 Lü Chunxu, Hu Gang, Wu Tengfang 3 (54)

Experimental Methods and Techniques

- A Photometric Study on Ultra-high Speed Cameras and Its Film System.....
 Tan Xianxiang 1 (60)
- Technique for Generating Submicrosecond Stress Wave Impulse with Uniax-
 ial Strain Condition Shen Letian, Wu Songyu 1 (77)
- An Explosion Vibration Parameter Meter of Compound Pendulum Type and
 Its Applications Gong Zhenpeng 1 (80)
- Investigations of a New Detonation Pressure Measuring Method-Diiodome-
 thane Method.....Yu Deyang, Zeng Xiongfei, Xu Kang 2 (69)
- A Streak Photograph Method for Measuring the Detonation Wave Front in
 Cylindrical Charge.....Yang Quanzhong, Fan Baochun, Yang Chonghui 2 (81)
- Elementary Diagnostic Method for Detonation (2) High Speed Optical
 Technique.....Wu Shifa 2 (87)
- A Firing Valve 57 mm Gas Gun with 1400 m/s Projectile Velocity
Lin Junde 3 (60)
- Preliminary Applications of Multiple Spark Dynamic Photoelastic Apparatus
 in the Tests of Explosion Mechanics..... Zhu Zhenhai, Yang Yongqi 3 (67)
- Elementary Diagnostic Method for Detonation (3) Flash X-ray Radiographic
 Techniques Zhang Shouyun 3 (89)
- Experimental Investigations on Determination of the Dynamic Yield Stress of
 Metals.....Chen Yuzu, Le Guopei, Jing Erli 4 (24)
- 57mm Compressed Gas Gun.....Yang Baiquan, Cao Shusheng, Lin Junde 4 (54)
- Piezoelectric Current Quartz-Gauge and Its Dynamic Calibration.....
 Wu Songyu 4 (61)
- A Method of Observing Both the Motion of the Free Surface and the Front
 of the Mass-Ejection of Shocked Lead.....Wen Dianying 4 (66)
- Experimental Studies on the Cavitation Phenomena as a Pellet Entering
 Water.....Chen Xianfu 4 (70)
- A Compensated Bridge Type Pulsed Power Supply for Measuring Low Pressure
 Pulse Loading.....Ma Facheng, Meng Xianqi, Chen Xuefang, Lu Xiufen 4 (74)

Numerical Modeling and Computations

- Numerical Calculations of Shallow Buried Explosion by HELP Code
 Wang Xiaojun, Hu Xiuzhang, Li Zongfen 2 (34)
- One-Dimensional and Two-Dimensional Coupled Calculation of Stemming in
 Shaft.....Zhang Yongjia, Li Xiaomei, Li Banggu 2 (42)

Numerical Simulation of Spherical Detonation Waves			
.....	Xiao Zuozhi	2	(51)
Dynamic Response of Underground Vertical Well Subjected to Interior Explosion	Zhai Tong, Cao Zhiyuan	3	(13)
Method of Lagrange Analysis in the Study of Shock Initiation of Heterogeneous Condensed Explosives	Huan Shi, Xue Honglu	3	(20)
Relation between Artificial Viscosity and Chemical Reaction Rate Law in Numerical Simulation of Steady Detonation	Liu Eryan	3	(35)
Simulation of the Interaction of High Explosive with Solids by HELP Program	Yin Zhiyuan, Feng Jiabo	4	(40)

Lectures

Safety Technology for Blasting	Feng Shuyu	1	(91)
Elementary Diagnostic Method for Detonation (2) High Speed Optical Technique	Wu Shifa	2	(87)
Elementary Diagnostic Method for Detonation(3) Flash X-ray Radiographic Techniques	Zhang Shouyun	3	(89)
Explosion Waves in Air (1) Basic Theory	Qiao Dengjiang	4	(78)