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矿 业、冶 金

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- TD15** 1568
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(Continuous moisture measurement in mining), Instrumentation in the mining and metallurgy ind. vol. 4), 1976, 8—10 (英文) (4257922)

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(Well logging manual), GS-CD-75-006, PB 247641, 1975, V.P. (英文) 6026632

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(Validation of finite element codes as applied in underground mine design), (12th annual meeting of the Soc. of Engng. Sci., 1975/10/20-22, Austin), 1975, 265—272 (英文) (4251870)

- TD217** 1603
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(Maintenance management programs with EDP for improved performance and control); (1974 trans. of the Canadian Inst. of Mining & Metallurgy and the Mining Soc. of Nova Scotia vol.77), 377—389 (英文) (4235572)
本规划包括采用计算机的维修工序系统, 计划及程序安排, 材料供应系统, 劳动标准, 计算机计划的预防维修系统以及改正的维修计划。电子数据处理报告包括费用及劳动情况, 劳动力来源及利用、工作积压、工作计划的执行情况、设备维修经过以及预防性维修等数据。
- TD228** 1604
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- TD229** 1605
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- TD228** 1606
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(An aspect of community development in a city based on mining and metallurgy—the case of Wollongong); (The Aust. Inst. Mining & Metallurgy conf., 1976/5, Illawarra), 1976, 7—14 (英文)
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- TD231** 1607
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(4256644)
- TD231.1** 1608
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(4255932)
- TD231.1** 1609
应力波负荷下的岩石性状
(The behaviour of rocks at stress wave loading); (27 Vorträge des 4. europäischen Symposions "Zerkleinern", 1975/9/15—17, Nürnberg), 1976, 115—130 (英文) (4250892)
本报告包括岩石对单维纵向应力波反应的研究结果和用霍普金森分叉棒方法获得的实验结果。研究了屈服强度对负荷速率的依赖关系, 在达到屈服强度之后, 接着进一步研究了破裂发展的过程。所得结果用关于线性破裂力学现有假说的理论模型作了说明。
- TD229** 1610
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- TD235.11** 1611
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- TD26** 1613
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- TD262** 1617
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- TD263** 1619
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- TD263.23** 1626
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- TD264** 1627
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(Design of reusable explosion-proof bulk-
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- TD265** 1628
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用加氯化钠的方法改善水泥-膨润土浆性能及岩石性能的经验
(Опыт улучшения свойств цементно-бентонитовых растворов и камня добавками хлористого натрия); (Разведка и разработка нефтяных и газовых месторождений, вып. 13, 1976, 61—65 (俄文) (2033287)
本文研究了固井用膨润土浆和膨润土含量达10%的岩石的物理力学性能的试验结果。确定了膨润土和盐的附加料的最佳配方, 列举了水泥——膨润土——盐混合料试样的抗蚀性数据以及试样在凝固时的长度尺寸的改变。叙述了气井注水泥时水泥——膨润土浆的最佳配方的使用经验。
- ## 矿 山 机 械
- TD4** 1630
美国、德国矿山机械展览会参观报告,
(米·独の矿山机械展示会见学报告);
1976炭矿新技术, 1976, (日文) (330143)
- TD4 TU6 U415.5** 1631
矿山、建筑及筑路机器
(Горные, строительные и дорожные машины, 22), 1976, 121 (俄文) 2033567
- TD4 TU6 U415.5** 1632
矿山、建筑及修路机械
(Горные, строительные и дорожные машины, 21), (俄文) 2033398
- TD41** 1633
煤矿勘探用钻机的研制与改制
(The development and adaptation of drilling equipment to coal exploration); (1st int. coal exploration symp., 1976/5/18-21, London), 1976, 484—514 (英文) (4257416)
- TD411** 1634
探矿钻头导槽系统 卷1
(Probe drill guidance system vol. 1); BM-OFR-82(1)-75; PB 247064, 1973, 126 (英文) 6026185
- TD411** 1635
探矿钻头导槽系统 卷2
(Probe drill guidance system vol. 2); BM-OFR-82(2)-75; PB 247065, 1973, 244 (英文) 6026186
- TD414** 1636
实验室截割数据与隧道钻机性能的相关
(Correlation of laboratory cutting data with tunnel boring machine performance); BM-RI-7883, 1974, 19 (英文) 4257533
- TD414** 1637
为改进煤的螺旋钻采操作安全而进行的操作改变与操纵器改型
(Operating practice changes and control modifications to improve the safety of coal augering operations); BM-OFR-102-75; PB-248225, 1975, v. p. (英文) 6026242
- TD414** 1638
可钻性测定——冲击式钻机的可钻性指数
(Drillability determination-A drillability index for percussion drills); BM-RI-8073, 1975, 20 (英文) 4256336
- TD414** 1639
南非硬岩采矿工业中高推力钻进及其潜力
(Boring at high thrust and its potential in the hard-rock mining industry in South Africa); (2nd rapid excavation and tunneling conf., 1974/6/24-27, San Francisco: vol. 2); 1974, 1053—1072 (英文) (4256645)
- TD414** 1640
锥形钻探机的研制
(Development of a conical boring unit); (2nd rapid excavation and tunneling conf., 1974/6/24-27, San Francisco: vol. 2); 1974, 1759—1776 (英文) (4256645)
- TD418** 1641
煤钻防火系统的研制与试验工作
(Development and testing services of a fire protection system for coal augers); BM-OFR-25-76; PB 249865, 1975, 16 (英文) 6026940

- TD418** 1642
改进钻井泥浆电阻计, 度量特性的可能性
(Возможности улучшения метрологической характеристики скважинного резистивиметра); Разведка и разработка нефтяных и газовых месторождений, вып. 13, 1976, 44—46 (俄文) (2033287)
本文指出了现有钻井泥浆电阻率测定法的缺点, 并提出了必须改进钻井泥浆电阻计的根据。叙述了具有最佳度量特性的钻井电阻计的结构及其模型试验结果。
- TD42** 1648
快速采掘研究——新采掘工艺的原理
(Rapid excavation research—Elements of a new excavation technology); (2nd rapid excavation and tunneling conf., 1974/6/24-27, San Francisco: Vol.2); 1974, 1503-1536 (英文) (4256645)
- TD42 TD5** 1644
动力支架、连续采煤机及连续运输车在全部采出中的应用
(The application of powered supports, continuous miners, and continuous transport to full extraction); (The Aust. Inst. Mining & Metallurgy conf., 1976/5, Illawarra), 1976, 175—182 (英文) (4257424)
- TD421** 1645
连续采矿机遥距管理控制的数据流要求
(Data flow requirements for remote supervisory control of continuous mining machines); BM-OFR-14-76; PB 249298, 1975, 49 (英文) 6026892
- TD421.2** 1646
七十年代新的凿岩机用润滑油: 从实验室的研究到矿井的使用
(New rock drill lubricants for the seventies—From laboratory to mine); (1974 trans. of the Canadian Inst. of Mining & Metallurgy and the Mining Soc. of Nova Scotia Vol.77), 369—376 (英文) (4235572)
本文介绍了对不加鲸油炼制的一系列高性能、高薄膜强度润滑剂扩大实验室试验与现场试验的结果。现场试验清楚地证明新制产品具有优越性。
- TD421.5** 1647
隧道掘进联合机研究——由滚动圆盘式截割机产生石屑的粒度分布
(Tunneling machine research—Size distribution of rock fragments produced by rolling disk cutters); BM-RI-7882, 1974, 40 (英文) 4257532
- TD421.5** 1648
隧道掘进联合机研究——圆盘与截割机在岩石中的槽沟之间的相互作用
(Tunneling machine research—Interaction between disk-cutter grooves in rocks); RM-RI-7881, 1974, 21 (英文) 4257531
- TD421.6** 1649
楔形长壁截煤头的研制
(Wedge longwall cutterhead development phase 1); BM-OFR-71-75; PB 245032, 1974, 41 (英文) 6025987
- TD422.2** 1650
采矿工业用小型转子挖掘机的技术与技术经济观点
(Технические и технико-экономические аспекты создания компактных роторных экскаваторов для горной промышленности); Повышение эффективности открытых разработок, 1976, 61—72 (俄文) (2033521)
- TD422.2** 1651
在连续单斗风铲的基础上设计转子挖掘机的参数及性能的论据
(Обоснование параметров и особенности конструирования роторных экскаваторов на базе серийных однокоровых мехлопат); Повышение эффективности открытых разработок, 1976, 73—79 (俄文) (2033521)
- TD431** 1652
利用高压喷水系统进行采煤
(Excavation of coal using a high pressure water jet system); BM-OFR-66-75; PB 244516, 1974, 267 (英文) 6025970
- TD451** 1653
清除捣矿加料过程中放出气体用的一种新机器
(A new machine for cleaning the gases emitted during stamp charging); (Information symp. on coke oven tech., 1975/5/6-7, Luxembourg: pt.1), 1975, 125—132 (英文) (4257514)

TD451 1854
捣矿机装料——处理具有贫焦性质掺合料的确认方法
(Stamp charging—An established technique for processing blends with poor coking properties); (Information symp. on coke oven tech., 1975/5/6-7, Luxembourg: pt.1), 1975, 9—18 (英文) (4257514)

TD453 1655
各种磨矿系统中颗粒粒度分配
(Particle size distribution in different grinding systems); (27 Vorträge des 4. europäischen Symposions "Zerkleinern", 1975/9/15-17, Nürnberg); 1976, 307—318 (英文) (4250692)

TD453 1656
用于湿法半自生磨矿系统的听力测定控制系统
(An audiometric control system for wet semi-autogenous grinding system); (27 Vorträge des 4. europäischen Symposions "Zerkleinern", 1975/9/15-17, Nürnberg); 1976, 435—446 (英文) (4250692)
本文所介绍的磨矿过程的听力测定控制系统是根据磨碎机发出的噪音而设计的。在长期试验过程中发现听力测定控制系统的能力比以前所用功率控制系统的能力高10—15%。

TD453 1857
颗粒精碎机的研制
(Development of grain refiner); 197—211 (英文) 4258271

TD453 1658
土耳其的自生磨矿的实践经验
(Autogenous grinding practice in Turkey); (27 Vorträge des 4. europäischen Symposions "Zerkleinern", 1975/9/15-17, Nürnberg); 1976, 297—306 (英文) (4250692)

TD453 1659
喷射式粉磨机的比较研究
(Vergleichende Untersuchungen an Strahlmøhlen); (27 Vorträge des 4. europäischen Symposions "Zerkleinern", 1975/9/15-17, Nürnberg); 1976, 387—402 (德文) (4250692)
喷射式粉磨机及逆流喷射式粉磨机由于其设计及结构简单在工业中已成功地被采用。对这些粉磨

机的流程图与颗粒加速度以及磨矿机理进行了比较。然而在大家熟悉的各种喷射式粉磨机中气流的功能不是完全用于颗粒加速度。在另一方面, 借压力箱能量的最佳利用通过熔岩喷射管颗粒能加速至最高速度。在采用玻璃球磨矿时用带熔岩管的喷射式粉磨机可达到更高的粒度和最低的能量消耗。

TD453 1680
鼓式和喷射式磨碎机的磨矿和磨损
(Über Mahlung und Verschleiß in Trommel- und Strahlmøhlen); (27 Vorträge des 4. europäischen Symposions "Zerkleinern", 1975/9/15-17, Nürnberg); 1976, 235—252 (德文) (4250692)

TD464 1661
神户钢铁有限公司加古川2号团矿厂的计算机控制
(Computer control in the Kakogawa, pelletizing plant No.2 of Kobe Steel, Ltd); (Int. meeting on iron and steel malring, 1976/5/17-18, Brussels and 1976/5/20-21, Düsseldorf: Vol.10) 1976, 131/1—21 (英文) (4253934)

矿山运输与设备

TD52 1662
平巷与竖井中的运输
(Transport in drifts and shafts); (The Aust. Inst. Mining & Metallurgy conf., 1976/5, Illawarra), 1976, 325—336 (英文) (4257424)

TD522 1663
井下煤矿水力运输的可能性
(Feasibility of hydraulic transportation in underground coal mines); BM-OFR-68-75; PB-244711, 1975, 169 (英文) 6025974

TD522 1664
煤从煤矿到海滨的水力运输
(Hydraulic transportation of coal from collieries to coast); (The Aust. Inst. Mining & Metallurgy conf., 1976/5, Illawarra), 1976, 303—312 (英文) (4257424)

TD524. 1665

地下煤矿中矿轨运输系统的自动制动器
(Automatic brakes for mine-track transportation systems in underground coal mines); Bendix (Corp. BRL-TR-74-7173; BM-OFR-84-75; PB 250941, 1975, 79 (英文) 6026756

TD528 1666

雷尼斯褐煤矿中煤车要求的确定
(Determining the coal wagon requirements in the Rhenish lignite mines); (Operational research '72), 1973, 391—404 (英文) (4246242)

TD528 1667

大型运输车的自动防火系统——原型研制及在矿山的试验
(Automatic fire protection systems for large haulage vehicles-Pro-totype development and in-mine testing); BM-IC-8683, 1975, 16 (英文) 4256322

TD528.1 1668

煤矿运输机皮带燃烧产物的鉴定与分析
(Coal mine conveyor belt combustion products identification and analysis); BM-OFR-32-76; PB 250527, 1974, 149 (英文) 6026849

TD528.1 1669

地下煤矿运输机皮带的防火
(Suppression of fire on underground coal mine conveyer belts); BM-OFR-27-76; PB 250368, 1974, V.P. (英文) 6026742

TD528.1 1670

地下煤矿用的皮带运输或拖运系统的经济性问题
(The economics of belt convey or haulage systems for underground coal mines); (Bulk materials handling Vol.3), 1975, 242—252 (英文) (4250450)

TD528.1 1671

皮带运输机运输系统
(Belt conveyor transport systems); (The Aust. Inst. Mining & Metallurgy conf., 1976/5, Illawarra), 1976, 281—292 (英文) (4257424)

TD529 1672

地下煤矿运输系统的危险分析
(Hazard analysis of underground coal mine

haulage systems); BM-OFR-100-75; PB 247215, 1975, V.P. (英文) 6026381

TD529 1673

地下煤矿用交替拖运系统的评价方法
(Methods of evaluating alternate haulage systems for underground coal mining); (Bulk materials handling Vol.3), 1975, 207—214 (英文) (4250450)

TD529 1674

地下煤矿拖运系统的作业及经济要求
(Service and economic requirements for underground coal haulage systems); (Bulk materials handling Vol.3), 1975, 215—241 (英文) (4250450)

TD53 1675

矿井提升检查、维护与安全
(Mine hoisting inspection, maintenance, and safety); BM-OFR-7-76; PB 249005, 1975, V. P. (英文) 6026719

TD531.1 1676

罐笼形成过程的一些技术问题
(ケージフォーミングの成形プロセスの技術的諸問題); (第57回塑性加工シンポジウム, 1976/11/10, 东京), 1976, 64—72 (日文) (330401)

TD534 1677

加拿大的长竖井提升
(Long vertical shaft raising in Canada); (2nd rapid excavation and tunneling conf., 1974/6/24-27, San Francisco: Vol.2); 1974, 1083—1092 (英文) (4256645)

TD534 1678

油压提升机
(油压卷上机について); 1976炭矿新技术, 1976, 40—44 (日文) (330143)

TD569 1679

“MINESITE”矿源计划的基础 (不像旧法那样将矿石装车)
(“MINESITE” a basis for mineral resource planning (getting the rock in the box isn't like it used to be)); (2nd rapid excavation and tunneling conference, 1974/6/24-27, San Francisco: Vol.1); 1974, 915—936 (英文) (4256644)

TD58 1680
现代运输技术在发展中国家矿物开拓方面的应用
(The application of modern transport technology to mineral development in developing countries); United Nations ST/ESA/43, 1976, 159 (英文) 4255546

矿 山 电 工

TD611.3 1681
断路器的研制和应用, 第一阶段
(Circuit breaker development and application phase 1); BM-OFR-103(1)-75, PB 248310, 1974, 164 (英文) 6026358

TD621 1682
荧光帽灯系统的研制
(Development of a fluorescent cap lamp system); BM-OFR-13-76, PB 249906, 1975, 61 (英文) 6026650

TD635 1683
用于长壁煤矿的照明系统的发展
(Development of an illumination system for longwall coal mines); BM-OFR-11-76, PB 249560, 1975, 190 (英文) 6026899

TD64 TD71 1684
矿山电机与矿内大气学
(Горная электромеханика и рудничная аэрология); 1975, 101 (俄文) 2033248

TD655 1685
通过传导介质的直接通信
(Direct communication through a conducting medium); AEC-UCID-16998, 1976, 3 (英文) 1041223

TD655 1686
煤矿通信系统的研制合同卷3: 理论数据基础
(Research and development contract for coal mine communication system. Vol.3: Theoretical data base); BM-OFR-69(3)-75; PB 244899, 1974, V.P. (英文) 6025981

TD655 1687
煤矿通信系统的研制合同卷2: 煤矿调查报告

(Research and development contract for coal mine communication system. Vol.2: Report on mine visits); BM-OFR-69(2)-75; PB 244898, 1974, V.P. (英文) 6025980

TD655 1688
煤矿通信系统的研制合同卷4: 环境测量法
(Research and development contract for coal mine communication system. Vol.4: Environmental measurements); BM-OFR-69(4)-75; PB-244900, 1974, V.P. (英文) 6025982

TD655 1689
矿山通信研究的技术服务任务B: 无线矿山通信现用增音器的适用性
(Technical services for mine communications research task B (T.O.1): Applicability of state-of-the-art repeaters for wireless mine communication); BM-OFR-20(2)-76, PB 249830, 1975, 70 (英文) 6026936

TD655 1690
矿山通信研究的技术服务任务A: 无线矿山通信现用话音带宽压缩方法的适用性
(Technical services for mine communications research task A (T.O.1): Applicability of state-of-the-art voice bandwidth compression techniques for wireless mine communication); BM-OFR-20(3)-76, PB 249831, 1975, 88 (英文) 6026937

TD655 1691
矿山通信研究的技术服务任务D: 矿山电话系统通用多路载波设备的适用性
(Technical services for mine communications research task D(T.O.1): Applicability of available multiplex carrier equipment for mine telephone systems); BM-OFR-20(1)-76; PB 249829, 1975, 87 (英文) 6026935

TD655 1692
煤矿通信系统的研制合同卷1: 概要与系统研究的结果
(Research and development contract for coal mine communication system. Vol. 1: Summary and results of system study); BM-OFR-69(1)-75; PB 244897, 1974, V.P. (英文) 6025979

TD676 1693
 矿山通信与监控卷1: 通用监控系统的设计与实验结果
 (Mine communication and monitoring. Vol.1: General monitoring system design and experimental results); BM-OFR-65(1)-75; PB 244330, 1974, 93 (英文) 6025967

TD676 1694
 矿山通信与监控卷2: 监控辅助系统详介
 (Mine communication and monitoring. Vol.2: Monitoring sub-system details); BM-OFR-65(2)-75; PB 244331, 1974, 239 (英文) 6025968

矿山安全与劳动保护

TD 7 1695
 操作安全采矿系统第2阶段中期报告(惯例的)
 (Inherently safe mining systems. phase2: Interim report (conventional)); BM-OFR-88-75r; PB 252101, 1975, V.P. (英文) 6027044

TD711.4 1696
 利用管束对矿山气体浓度的连续监控系统
 (Continuous monitoring system for mine gas concentrations using tube bundles); BM-RI-8060, 1975, 15 (英文) 4256331

TD714 1697
 煤矿尘的基本成份
 (Elemental composition of coal mine dust); BM-RI-7992, 1974, 25 (英文) 4257434

TD714.3 1698
 煤矿尘个人取样装置的试验方法
 (Test procedure for coal-mine-dust-personal-sampler units); NIOSH-TC-A-003; PB 251353, 1976, 28 (英文) 6026782

TD714.3 1699
 矿尘中不燃物含量的测量
 (Mine dust surveys for incombustible content); BM-OFR-2-76; BCR-L-602; PB 248215, 1975, 305 (英文) 6026588

TD714.31 1700
 在可能吸入的矿尘环境中对充满浮游尘末的估计
 (Full-shift assessment of respirable dust exposure); (1974 trans. of the Canadian Inst. of Mining & Metallurgy and the Mining Soc. of Nova Scotia Vol.77), 203—214 (英文) (4235572)

TD714.4 1701
 煤矿真空清除器
 (Coal mine vacuum sweeper); BM-OFR-98-75; PB 247232, 1975, 68 (英文) 6026586

TD714.4 1702
 国际劳动组织关于美国采矿、隧道掘进及采石中防尘及抑尘的第5号报告
 (5th international labor organization report on the prevention and suppression of dust in mining, tunneling and quarrying in the United States); MESA-IR-1027, 1975, 51 (英文) 4255989

TD714.41 1703
 连续采煤作业中用喷水法抑尘
 (Dust suppression with water sprays during continuous coal mining operations); BM-RI-8064, 1975, 12 (英文) 4256334

TD714.45 1704
 薄煤层中螺旋形钻头联合采煤机的煤尘收集系统
 (Dust collecting system for auger head miners in low coal); BM-OFR-31-75; PB 244684, 1974, 55 (英文) 6025973

TD714.5 1705
 岩尘对煤尘爆炸性的影响
 (Effect of rock dust on explosibility of coal dust); BM-RI-8077, 1975, 34 (英文) 4256338

TD722 1706
 模型煤矿工作面上的通风涡流区
 (Ventilation eddy zones at a model coal mine working face); BM-RI-7991, 1974, 14 (英文) 4257433

TD724 1707
 空气层绝热二重风管的研制
 (空气层断热二重风管の開発); 炭矿新技术第二十四卷, 1975, 21—25 (日文) (330542)

TD728 1708
测定漏气的现场试验示踪气体测量方法
(Field testing tracer gas survey techniques to quantify leakage ventilation); BM-OFR-12-76; PB 249734, 1975, 136 (英文) 6026934

TD745.23 1709
煤矿密封剂
(Coal mine sealants); (2nd rapid excavation and tunneling conf., 1974/6/24-27, San Francisco: Vol.2); 1974, 1027-1050 (英文)
(4256645)

TD753 1710
金属与非金属矿山的火警系统
(Fire alert systems for metal and nonmetal mines); BM-OFR-45-76; PB 251715, 1975, 164 (英文) 6026829

TD753.3 1711
利用惰性气体进行矿山灭火的研究
(Study of mine fire fighting using inert gases); BM-OFR-15-76; PB 249340, 1974, 212 (英文) 6026563

TD76 1712
气动凿岩机的噪音抑制
(Noise abatement of pneumatic rock drill); BM-RI-7998; 1974, 45 (英文) 4257436

TD77 TD78 1713
地下环境、健康与安全
(Underground environment, health and safety); (The Aust. Inst. Mining & Metallurgy conf., 1976/5, Illawarra), 1976, 293-302 (英文) (4257424)

TD77 1714
地下烟煤矿中有关铲斗及拖拉机事故的分析
(Analysis of fatalities related to scoops and tractors in underground bituminous coal mines, 1971-1973); MESA-IR-1016, 1975, 7 (英文) 4257116

TD77 1715
金属与非金属露天矿上因卡车事故伤亡及残废的分析
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