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坚硬顶板对冲击矿压发生的影响

(1.北京科技大学金属矿山高效开采教育部重点实验室,北京 100083; 2.中国矿业大学能源学院,江苏 徐州 221008)

Influence of Hard Roof on Rock Burst

(1.State Key Laboratory of High-Efficient Mining and Safety of Metal Mines of Ministry of Education,University of Science and Technology Beijing,Beijing 100083,China; 2.School of Mining and Safety Engineering,Xuzhou 221008,Jiangsu China)

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摘要 通过理论分析、现场实测和冲击矿压现象分析,说明了顶板坚硬岩层产生的静压和突然运动、破断均可使煤体内部裂纹不稳定扩展而容易发生冲击矿压。

关键词: 冲击矿压 坚硬顶板 裂纹 失稳扩展

Abstract: By theoretical analysis and actual measurement of field and phenomena analysis of rock burst,the author illustrates the directionless pressure,sudden movement and rupture of hard roof lead to the internal cracks of coal instable development,which easily results in rock burst happening.

Key words: rock burst hard roof crack instable development

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[1] DOU Lin-ming,HE Xue-qiu.Theory and Technology of Rock Burst Prevention [M].Xuzhou:China University of Mining & Technology Press,2001.

[2] ZHU Ming-shan,CHEN Hong-fang.Thermodynamic Analysis [M].Beijing:Higher Educational Press,1992.

[3] ZHAO Ben-jun.The Rock Burst and Its Prevention and Control [M].Beijing:Coal Industry Press,1995.

[4] HE Xue-qiu,WANG En-yuan.Electromagnetic Dynamics of Coal-Rock [M].Beijing:Science Press,2003.

[5] SIH G C.Proceedings of An International Conference on Dynamic Crack Propagation [M].Netherlands:Noordhoff International Publishing,1973.

[6] XIE He-pin.Damage Theory of Rock and Concrete [M].Xuzhou:China University of Mining & Technology Press,1990.

[7] QIAN Ming-gao,LIU Ting-cheng.Mine Pressure and Control [M].Beijing:Coal Industry Press,1996.

[8] DUAN Ke-xin.Mechanics Calculation Method of Rock Burst and Gas Outburst [M].Beijing: Coal Industry Press,1994.

[9] MA Jian-jun.Rock Breaking Effect of Blasting Stress Wave at Moderate or Far Distance [J].Journal of Wuhan Yejin University of Science and

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