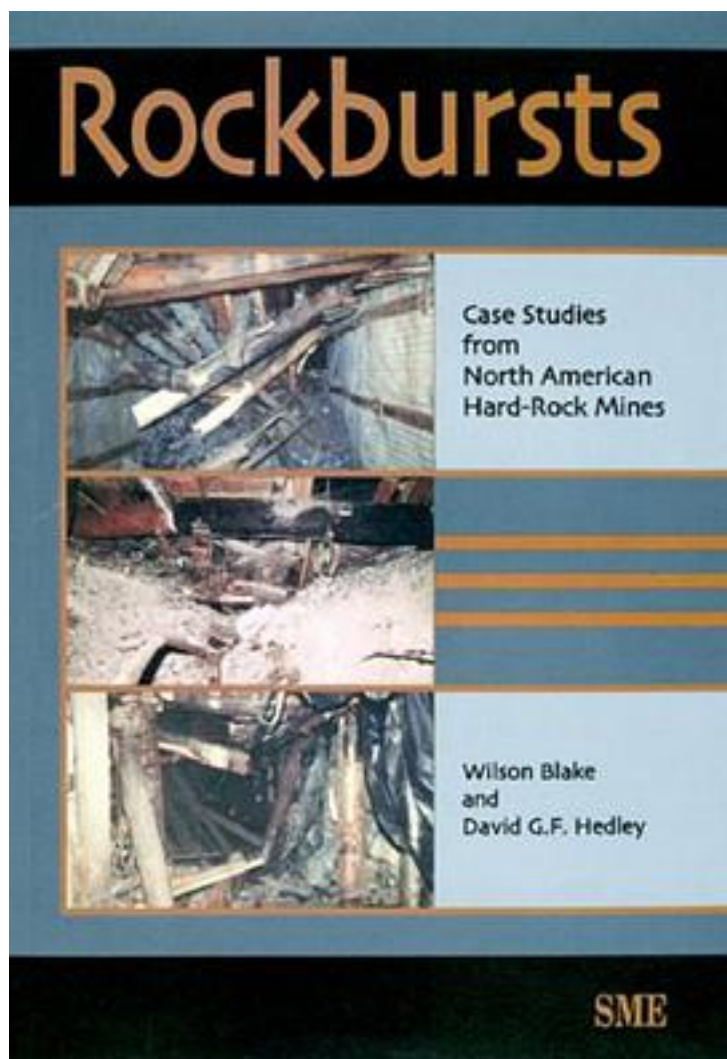


# Rockbursts



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出版者:Society for Mining Metallurgy

出版时间:2004-3

装帧:Pap

isbn:9780873352321

Rockbursts poses a significant and growing threat to mines--and miners--throughout North America. High stress on brittle rock structures during mining operations can produce sudden, explosive reactions that result in costly mine failures, serious injury, and even death. Using a series of case studies, this essential reference documents the experiences of 15 of the most rockburst-prone mines in the U.S. and Canada over the last century. The book provides an historical analysis of rockburst activity along with state-of-the-art strategies for anticipating and preventing this dangerous and disruptive phenomenon. This resource provides a primer on rockbursts, including an examination of the conditions that favor their occurrence. The text highlights practical methods to alleviate this danger, including controlling blasting times, changing mining methods, altering the extraction sequence, utilizing backfill, destress blasting, and using yielding supports. Packed with dozens of cost-saving and potentially life-saving ideas, this book is an important resource for mining engineers and operators who work in hard-rock mines.

作者介绍:

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