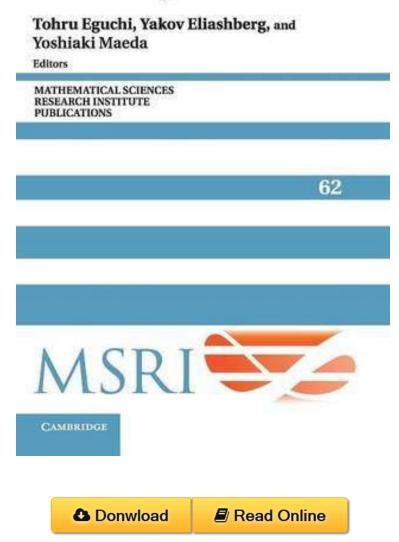# Symplectic, Poisson, and Noncommutative Geometry (Mathematical Sciences Research Institute Publications)

Symplectic, Poisson, and Noncommutative Geometry

Tohru Eguchi, Yakov Eliashberg, and Yoshiaki Maeda

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Symplectic geometry originated in physics but it has flourished as an independent subject in mathematics together with its offspring symplectic topology Symplectic methods have even been applied back to mathematical physics for example Floer theory has contributed new insights to quantum field theory In a related direction noncommutative

geometry has developed an alternative mathematical quantization scheme based on a geometric approach to operator algebras Defo About the Author fm author_biographical_note1 fm author_biographical_note2 fm author_biographical_note3

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