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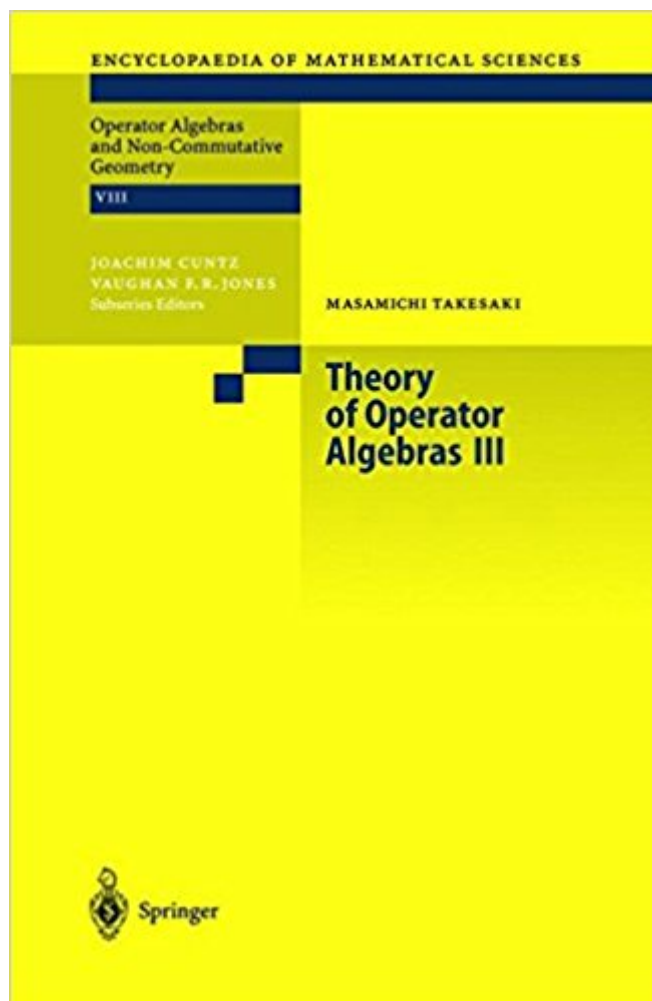
Theory Of Operator Algebras III

Synopsis

From the reviews: "These three bulky volumes [EMS 124, 125, 127] [Ã¢â ¬Â] provide an introduction to this rapidly developing theory. [...] These books can be warmly recommended to every graduate student who wants to become acquainted with this exciting branch of mathematics. Furthermore, they should be on the bookshelf of every researcher of the area." Acta Scientiarum Mathematicarum

Book Information

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Customer Reviews

From the reviews:"... These three bulky volumes [EMS 124, 125, 127], written by one of the most prominent researchers of the area, provide an introduction to this repidly developing theory. ... These books can be warmly recommended to every graduate student who wants to become acquainted with this exciting branch of matematics. Furthermore, they should be on the bookshelf of every researcher of the area."LÃƒÂ¡szlÃƒÂ KÃƒÂ©rchy, Acta Scientiarum Mathematicarum, Vol. 69, 2003"... In summary, the author deserves the special thanks of the entire operaotr algebra community for writing this comprehensive three-volume work [Theory of Operator Algebras I-III]. Some of the most beautiful (and I might add the most difficult) mathematics ever written can be found in the pages of these volumes. The author has been one of the pincipal contributors to the theory over many years. He has done an excellent job conveying the drama of discovery in this deep and exciting area of mathematics. ... they clearly belong on the bookshelp of every serious

researcher in operator algebras."R.S.Doran, Mathematical Reviews Clippings from Issue 2004g"... Das Buch ist eine praktisch unabdingbare ErgÃƒÂ¤nzung zum zweiten Band. WÃƒÂ¤hrend im zweiten Band fast ausschlieÃƒÅ¸lich die theoretischen Grundlagen und kaum Anwendungen entwickelt werden, stehen hier Beispiele und interessante SpezialfÃƒÂ¤lle der Theorie im Mittelpunkt. Auf ÃƒÂ ber 500 Seiten werden ergodische Transformationsgruppen, injektive von-Neumann-Algebren, nichtkommutative Ergodentheorie und die Strukturtheorie von hyperfiniten Typ II1 von-Neumann Faktoren behandelt. Besonders erwÃƒÂ¤hnenswert ist hierbei die gelungene EinfÃƒÂ hrung von messbaren Gruppoiden im Kontext der Ergodentheorie. Wie schon Band II wird auch dieser Band dem Anspruch der Buchreihe gerecht, den besonderen Blickwinkel der nichtkommutativen Geometrie zu berÃƒÂ cksichtigen. In Verbindung mit dem zweiten Band liegt damit eine ÃƒÂ¤uÃƒÅ¸erst anregende Zusammenstellung von Themen der Operatoralgebra vor, die besonders im Hinblick auf Anwendungen in der nichtkommutativen Geometrie fÃƒÂ r ein breites Fachpublikum interessant sein wird. Im gewohnt knappen aber sehr klaren Takesaki-Stil gehalten, empfiehlt sich die Anschaffung dieses dritten Bandes als notwendiges Supplement zum zweiten Band. ..." Christian Blohmann, Spektrum direkt, www.wissenschaft-online.de"This is the third volume of a modern book written by one of the main contributors to the theory of operator algebras and is useful for researchers. Ã¢â ¬Â| The third volume is a comprehensive account of structure analysis of approximately finite dimensional factors and their automorphism groups Ã¢â ¬Â| . Each chapter begins with a clear introduction describing the content of that chapter, contains several interesting exercises and is concluded with a section of rich historical notes." (Mohammad Sal Moslehian, Zentralblatt MATH, Vol. 1059 (10), 2005)"This book is the third volume in the authorÃ¢â ¬â„¢s three-volume set on operator algebras. Ã¢â ¬Â| the author deserves the special thanks of the entire operator algebra community for writing this comprehensive three-volume work. Ã¢â ¬Â| He has done an excellent job conveying the drama of discovery in this deep and exciting area of mathematics. Ã¢â ¬Â| clearly belong on the bookshelf of every serious researcher in operator algebras." (Robert S. Doran, Mathematical Reviews, 2004 g)Ã¢â ¬Å"Volume III is devoted to approximately finite-dimensional (AFD) von Neumann algebras, i.e. those which are inductive limits of finite-dimensional subalgebras. Ã¢â ¬Â| Let us mention that the book is carefully written. Each chapter ends with exercises, and with interesting historical notes. Ã¢â ¬Â| it can be recommended to the expert aiming at a self-contained proof of the classification of approximately finite-dimensional factors, one monument of 20th-century mathematics.Ã¢â ¬Â• (Alain Valette, Bulletin of the Belgian Mathematical Society, 2007)

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