

1. Record Nr.	UNINA9910480239103321
Autore	Junge Marius
Titolo	Mixed-norm inequalities and operator space L_p embedding theory // Marius Junge, Javier Parcet
Pubbl/distr/stampa	Providence, Rhode Island : , : American Mathematical Society, , 2010 ©2010
ISBN	1-4704-0567-9
Descrizione fisica	1 online resource (155 p.)
Collana	Memoirs of the American Mathematical Society, , 0065-9266 ; ; Number 953
Disciplina	515/.2433
Soggetti	Harmonic analysis Banach spaces Quantum statistics L_p spaces Noncommutative function spaces Martingales (Mathematics) Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"Volume 203, number 953 (2nd of 5 numbers)."
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	""Contents""; ""Abstract""; ""Introduction""; ""0.1. Noncommutative function spaces""; ""0.2. Amalgamated L_p spaces""; ""0.3. Conditional L_p spaces""; ""0.4. Intersection spaces""; ""0.5. Mixed-norm inequalities""; ""0.6. Operator space L_p embeddings""; ""Chapter 1. Noncommutative integration""; ""1.1. Noncommutative L_p spaces""; ""1.2. Pisier's vector-valued L_p spaces""; ""1.3. The spaces $L_{p,r}(M, E)$ and $L_{p,c}(M, E)$ ""; ""Chapter 2. Amalgamated L_p spaces""; ""2.1. Haagerup's construction""; ""2.2. Triangle inequality on K ""; ""2.3. A metric structure on the solid K "" ""Chapter 3. An interpolation theorem""""3.1. Finite von Neumann algebras""; ""3.2. Conditional expectations on K ""; ""3.3. General von Neumann algebras I""; ""3.4. General von Neumann algebras II""; ""3.5. Proof of the main interpolation theorem""; ""Chapter 4. Conditional L_p spaces""; ""4.1. Duality""; ""4.2. Conditional L spaces""; ""4.3. Interpolation results and applications""; ""Chapter 5. Intersections of L_p

spaces"; "5.1. Free Rosenthal inequalities"; "5.2. Estimates for BMO type norms"; "5.3. Interpolation of 2-term intersections"
"5.4. Interpolation of 4-term intersections""Chapter 6. Factorization of $J_{p,q}(M, E)$ "; "6.1. Amalgamated tensors"; "6.2. Conditional expectations and ultraproducts"; "6.3. Factorization of the space $J_{1,n}(M, E)$ "; "Chapter 7. Mixed-norm inequalities"; "7.1. Embedding of $J_{p,q}(M, E)$ into $L_p(A; q_n)$ "; "7.2. Asymmetric L_p spaces and noncommutative (pq) "; "Chapter 8. Operator space L_p embeddings"; "8.1. Embedding Schatten classes"; "8.2. Embedding into the hyperfinite factor"; "8.3. Embedding for general von Neumann algebras"; "Bibliography"
