

| | |
|-------------------------|---|
| 1. Record Nr. | UNINA9910829070403321 |
| Titolo | Hardy spaces associated to non-negative self-adjoint operators satisfying Davies-Gaffney estimates // Steve Hofmann [and four others] |
| Pubbl/distr/stampa | Providence, Rhode Island : , : American Mathematical Society, , 2011 ©2011 |
| ISBN | 1-4704-0624-1 |
| Descrizione fisica | 1 online resource (78 p.) |
| Collana | Memoirs of the American Mathematical Society, , 0065-9266 ; ; Volume 214, Number 1007 |
| Disciplina | 515.9 |
| Soggetti | Hardy spaces Harmonic analysis Interpolation spaces Pseudodifferential operators |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Note generali | "Volume 214, Number 1007 (third of 5 numbers)." |
| Nota di bibliografia | Includes bibliographical references. |
| Nota di contenuto | <p>""Contents""; ""Chapter 1. Introduction""; ""Chapter 2. Notation and preliminaries""; ""2.1. Spaces of homogeneous type""; ""2.2. Assumptions""; ""2.3. The classical Hardy space $H^1(\mathbb{R}^n)$""; ""2.4. Hardy spaces via atoms""; ""2.5. Hardy spaces via molecules""; ""2.6. Hardy spaces via square and maximal functions""; ""2.7. BMO spaces associated to operators""; ""2.8. Historical notes""; ""Chapter 3. Davies-Gaffney estimates""; ""3.1. Self-improving properties of Davies-Gaffney estimates""; ""3.2. Finite speed propagation for the wave equation and Davies-Gaffney estimates""</p> <p>""Chapter 4. The decomposition into atoms""""4.1. Strategy of the proof of Theorem 4.1""; ""4.2. $H^1_{\text{at}, M(X)} \subset H^1_{\text{Sh}(X)} \subset H^2(X)$ for all $M > n/4$""; ""4.3. The inclusion $(H^1_{\text{L}, \text{Sh}(X)} \subset H^2(X)) \Rightarrow H^1_{\text{L}, \text{at}, M(X)}$ for all $M > n/4$""; ""4.4. Equivalence of $H^1_{\text{L}, \text{SP}(X)}$ and $H^1_{\text{L}, \text{at}, M(X)}$ when $M > n/4$""; ""4.5. Inclusion among the spaces $H^1_{\text{L}, \text{at}, M(X)}$, $H^1_{\text{L}, \text{Nh}(X)}$ and $H^1_{\text{L}, \text{NP}(X)}$""; ""Chapter 5. Relations between atoms and molecules ""; ""Chapter 6. $\text{BMO}_{\text{L}, M(X)}$: Duality with Hardy spaces""; ""Chapter 7. Hardy spaces and Gaussian estimates""; ""7.1. Hardy spaces $H^1_{\text{L}, \text{at}, M(X)}$, $H^1_{\text{L}, \text{Sh}(X)}$ and $H^1_{\text{L}, \text{SP}(X)}$ and Gaussian estimates""</p> |

