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arXiv.org > math > arXiv:1107.4408 - Go! All papers Mathematics > Classical Analysis and ODEs Download: PDF Vanishing Mean Oscillation PostScript Other formats **Spaces Associated with Operators** Current browse context: **Satisfying Davies-Gaffney** math.CA < prev | next > **Estimates** new | recent | 1107 Change to browse by: Yiyu Liang, Dachun Yang, Wen Yuan math math.FA (Submitted on 22 Jul 2011) **References & Citations** Let \$(\mathcal{X}, d, \mu)\$ be a metric measure space, \$L\$ a linear operator NASA ADS which has a bounded \$H\_\infty\$ functional calculus and satisfies the Davies-Gaffney estimate, \$\Phi\$ a concave function on \$(0,\infty)\$ of critical lower Bookmark(what is this?) type  $p_\left(0,1\right)$  and  $\tau_{-1}\right(t^{-1})$  for all  $t_{-1}$ 📃 💿 X 🔽 🖬 in 🚽 🔛 💇 (0,\infty)\$. In this paper, the authors introduce the generalized VMO space Science WISE {\mathrm {VMO}}\_{\rho,L}({\mathcal X})\$ associated with \$L\$, and establish its characterization via the tent space. As applications, the authors show that \$({\mathrm {VMO}}\_{\rho,L}({\mathcal X}))^\*=B\_{\Phi,L^\*}({\mathcal X})\$, where \$L^\*\$ denotes the adjoint operator of \$L\$ in \$L^2({\mathcal X})\$ and \$B\_ {\Phi,L^\*}({\mathcal X})\$ the Banach completion of the Orlicz-Hardy space \$H\_  $(\Phi, L^*)((\Phi, X))$ Comments: 40 pages, Kyoto J. Math. (to appear) Subjects: Classical Analysis and ODEs (math.CA); Functional

Which authors of this paper are endorsers?

Analysis (math.FA)

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