Mathematics > Classical Analysis and ODEs

The maximal regularity operator on tent spaces

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Recently, Auscher and Axelsson gave a new approach to non-smooth boundary value problems with L^{2} data, that relies on some appropriate weighted maximal regularity estimates. As part of the development of the corresponding L^{p} theory, we prove here the relevant weighted maximal estimates in tent spaces $T^{p,2}$ for p in a certain open range. We also study the case $p=\infty$.

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