

L_1 maximal regularity of Stokes equations with free boundary conditions

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It is a direct consequence of maximal $L_p - B_{q,p}^0$ regularity of analytic semigroup when $1 < p < \infty$, but we need more consideration in the L_1 case. To obtain $L_1 - B_{q_1}^0$ maximal regularity, I proved the resolvent estimates in $H_{q,0}^1$ and H_q^{-1} , and then the real interpolation yields the $L_1 - B_{q_1}^0$ maximal regularity estimate. I would like to explain this.