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Second-order parabolic nondivergence equations with small BMO coefficients in R^n .

In this paper we obtain the global regularity estimates in Orlicz spaces for second-order parabolic equations of nondivergence form with small BMO coefficients in the whole space. As a corollary we obtain L^p -type regularity for such equations. Our results improve the known results for such problems. (Received January 25, 2011)