## MAXIMAL REGULARITY FOR KOLMOGOROV OPERATORS IN $L^2$ SPACES WITH RESPECT TO INVARIANT MEASURES

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ABSTRACT. We prove an optimal embedding result for the domains of Kolmogorov (or degenerate hypoelliptic Ornstein–Uhlenbeck) operators in  $L^2$  spaces with respect to invariant measures. We use an interpolation method together with optimal  $L^2$  estimates for the space derivatives of T(t)f near t=0, where T(t) is the Ornstein–Uhlenbeck semigroup and f is any function in  $L^2$ .