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*A note on the existence of solution for semilinear heat equations with polynomial growth nonlinearity This work was supported by KOSEF research grant 1991 and Dong-A University research grant 1992.*

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**Abstract:** The existence of weak solution for periodic-Dirichlet problem to semilinear heat equations with superlinear growth non-linear term is treated.

**Keywords:** periodic-Dirichlet problem, semilinear heat equation, superlinear growth

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