1138-35-147   **Tatsuki Kawakami*** (`kawakami@math.ryukoku.ac.jp`), Department of Applied Mathematics, and Informatics, Ryukoku University, Otsu, Shiga 520-2194, Japan. *A semilinear elliptic equation with a dynamical boundary condition.*

We consider the nonnegative solution of a semilinear elliptic equation with a dynamical boundary condition. In this talk we treat the two unbounded domains

(i) the N-dim half space,

(ii) the exterior of the unit ball,

and discuss results on existence, nonexistence and large-time behavior of small solutions. Furthermore, we show that local solvability of problem is equivalent to global solvability of problem and solvability of the stationary problem.

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