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This talk is contributed to the Cauchy problem

$$\begin{cases} \frac{\partial u}{\partial t} = \Delta u + K(|x|)u^p + \mu f(|x|) & \text{in } R^n \times (0, T), \\ u(x, 0) = \varphi(x) & \text{in } R^n. \end{cases}$$

The monotonicity/separation property and stability of the positive radial steady states, which are positive solutions of

$$\Delta u + K(|x|)u^p + \mu f(|x|) = 0,$$

are discussed, μ is some positive constant, $0 \leq f \in C^1(R^n \setminus \{0\})$, $K(x)$ is a given local Hölder continuous function in $R^n \setminus \{0\}$, and φ is a bounded non-negative continuous function in R^n (Received September 02, 2006)