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*Liouville-type Laws for $-\Delta_m u + |\nabla u|^q = f(u)$ in Exterior Domains of $\mathbb{R}^N$*

In this talk, I will introduce the Liouville type theorems for the m-Laplacian equation with gradient term $-\Delta_m u + |\nabla u|^q = f(u)$ in exterior domains of $\mathbb{R}^N$. Here $q > m - 1$ and the function $f$ satisfies $f(s) > cs^p$ near zero where $c$ is a positive constant. This is based on a joint work with Yuhua Sun and Jie Xiao.