Symmetry of positive solutions of cooperative
elliptic systems in unbounded domains
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We study symmetry properties of positive solutions of weakly coupled elliptic systems of the type.

$$\Delta u_i + f_i(u_1, \ldots, u_n) = 0, \ i = 1, \ldots, n.$$

We present an overview of some recent results of Gidas-Ni-Nirenberg and Serrin type in various unbounded domains.