## On the cyclicity of hyperbolic polycycles

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Let  $\mathcal{H}(n)$  be the maximum number of limit cycles that a planar polynomial vector field of degree n can have. We prove that  $\mathcal{H}(n)$  is realizable by structurally stable vector fields with only hyperbolic limit cycles and that it is a strictly increasing function whenever it is finite. Coauthored with Armengol Gasull.