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**Multivariable decoupling self-tuning control for MIMO bilinear systems.** (Chinese. English summary) [Zbl 0910.93042](#)

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The authors give a self-tuning, decoupling controller algorithm for a special bilinear system with multiple input and multiple output (MIMO). They prove that the controller has the property of global convergence and present simulation results to illustrate efficiency of the controller algorithm.

Reviewer: [Yu Wenhuan \(Tianjin\)](#)

**MSC:**

**93C10** Nonlinear systems in control theory

**93C35** Multivariable systems, multidimensional control systems

**Keywords:**

MIMO bilinear system; self-tuning decoupling control; global convergence