عنوان مقاله:

Universal Approximator Property of the Space of Hyperbolic Tangent Functions

نویسنده:

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خلاصه مقاله:

In this paper, first the space of hyperbolic tangent functions is introduced and then the universal approximator property of this space is proved. In fact, by using this space, any nonlinear continuous function can be uniformly approximated with any degree of accuracy. Also, as an application, this space of functions is utilized to design feedback control for a nonlinear dynamical system.

کلمات کلیدی:

Hyperbolic tangent functions, Universal approximator, Stabilizer control

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