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A distributed parameter system (as opposed to a lumped parameter system) is a system whose state space is infinite-dimensional. Such systems are therefore also known as infinite-dimensional systems. Typical examples are systems described by partial differential equations or by delay differential equations

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already been made.

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Distributed parameter system - Wikipedia

Linear-Nonquadratic Optimal Control Problems with Terminal Inequality Constraints ... Elements of Finite-Dimensional Systems and Control Theory, Longman, Harlow/New York (1988) ... Finite Dimensional Linear Systems, Wiley, New York (1970) Google Scholar. 3. P. Brunovsky, J. KomornikThe Riccati equation solution of the linear-quadratic problem ...

Linear-Nonquadratic Optimal Control Problems with Terminal ...

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dynamical system [Koopman 1931, PNAS].

[1510.03007] Koopman invariant subspaces and finite linear ...

We say V is finite-dimensional if the dimension of V is finite, and infinite-dimensional if its dimension is infinite. ... To show that two finite-dimensional vector spaces are equal, one often uses the following criterion: if V is a finite-dimensional vector space and W is a linear subspace of V with $\dim(W) = \dim(V)$, then $W = V$.

Dimension (vector space) - Wikipedia

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