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State-space and multivariable theory This edition published in 1970 by Nelson in London. Edition Notes Bibliography: p. 252-254. Series Studies in dynamical systems. Classifications Dewey Decimal Class 629.8/312 Library of Congress TA168 .R67 1970 The Physical Object Pagination ix, 257 p. Number of pages 257 ID Numbers ...

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State-space approaches for SISO system can also be found in the literature. Although the state-space representation is a very convenient description for multi-variable systems, only few times it...

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Bibliography: Bibliography: p. 252-254. Dewey: 629.8/312 Subject: Systems engineering. (source)lcsh Control theory. (source)lcsh

~~State-space and multivariable theory - Ghent University ...~~

This book has arisen from efforts over many years to find simple and powerful methods for designing industrial control systems. Experience has shown that the classical transfer-function methods were very suitable for isolated loops, but failed in the multivariable situation. The new state-space methods at first promised success, but came in the end to seem disappointing.

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Fall 2010 16.30/31 5-6 Creating State-Space Models • Most easily created from Nth order differential equations that describe the dynamics • This was the case done before. • Only issue is which set of states to use - there are many choices.

~~16.30 Topic 5: Introduction to state-space models~~

State-space and multivariable theory: Author(s) Rosenbrock, Howard Harry: Publication London : Nelson, 1970. - 265 p. Series (Studies in dynamical systems) Subject code 517; 621-5; 62.01: Subject category Mathematical Physics and Mathematics

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In control engineering, a state-space representation is a mathematical model of a physical system as a set of input, output and state variables related by first-order differential equations or difference equations. State variables are variables whose values evolve over time in a way that depends on the values they have at any given time and on the externally imposed values of input variables.

~~State-space representation - Wikipedia~~

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In state-determined systems, the state variables may always be taken as the outputs of integrator blocks. A system of order  $n$  has  $n$  integrators in its block diagram.

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