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# Identification for feed-forward control of Wiener systems

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## Résumé

Designing controllers for real life processes can pose significant challenges due their non-linear nature. The goal of this talk is to present a model based feed-forward controller design for nonlinear systems in an open-loop framework. We propose the use of block-oriented models to identify the model of the true system then design a feed-forward controller based on the identified model. An iterative identification and controller design procedure is also proposed in a case where the initially identified model does not allow to design a suitable controller. The procedure is applied on the design of a feed-forward controller for a Wiener system.

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