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J. Dyn. Sys., Meas., Control. 2010;132(3):031001-031001-11. doi:10.1115/1.4001326.

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Hanz Richter

J. Dyn. Sys., Meas., Control. 2010;132(3):031002-031002-10. doi:10.1115/1.4001329.

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Sun Yi, Patrick W. Nelson and A. Galip Ulsoy

J. Dyn. Sys., Meas., Control. 2010;132(3):031003-031003-7. doi:10.1115/1.4001339.

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Ling-Yuan Hsu and Tsung-Lin Chen

J. Dyn. Sys., Meas., Control. 2010;132(3):031004-031004-9. doi:10.1115/1.4001330.

A Framework for Discrete-Time H2 Preview Control

A. J. Hazell and D. J. N. Limebeer

J. Dyn. Sys., Meas., Control. 2010;132(3):031005-031005-14. doi:10.1115/1.4000810.

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N. J. M. van Dijk, E. J. J. Doppenberg, R. P. H. Faassen, N. van de Wouw, J. A. J. Oosterling and H. Nijmeijer

J. Dyn. Sys., Meas., Control. 2010;132(3):031006-031006-14. doi:10.1115/1.4000821.

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J. Dyn. Sys., Meas., Control. 2010;132(3):031007-031007-11. doi:10.1115/1.4001334.

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Ilia G. Polushin, Peter X. Liu, Chung-Horng Lung and Gia Dien On

J. Dyn. Sys., Meas., Control. 2010;132(3):031008-031008-11. doi:10.1115/1.4001215.

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