

On the Structure at Infinity of Linear Delay Systems with Application to the Disturbance Decoupling Problem.

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Abstract: The disturbance decoupling problem is studied for linear delay systems. The structural approach is used to design a decoupling precompensator. The realization of the given precompensator by static state feedback is studied. Using various structural and geometric tools, a detailed description of the feedback is given, in particular, derivative of the delayed disturbance can be needed in the realization of the precompensator.

Keywords:

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