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# CONTROLLABILITY OF SERIES CONNECTIONS*

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**Abstract.** In this paper the controllability of series connections of arbitrary many linear systems is studied. As the main result, necessary and sufficient conditions are given, under which the system obtained as a result of series connections of arbitrary many linear systems is controllable.

**Key words.** Controllability, Linear systems, Completion, Invariant factors.

**AMS subject classifications.** 93B05, 15A21.

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