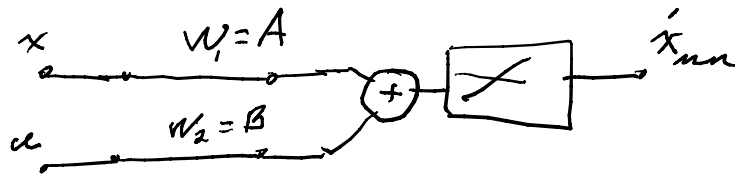


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$$\dot{x} = Ax + Bu \quad \text{linear system}$$

Can find A & B by a neural network if know u & x (& $\dot{x}$)

use $\dot{x}_{nn}$ as output of a neural network where weights are found giving A & B



use $\|\dot{x}_{nn} - \dot{x}\|$ & minimize by back-prop or any means.

see sep. 1993, IEEE transactions on automatic control
pp. 884-888, Vol. 4, No. 5

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