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## EXAMPLE SLIDE

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$$i \frac{d}{dt} \begin{bmatrix} c_1 \\ c_2 \\ \cdot \\ c_n \end{bmatrix} = \begin{bmatrix} H_{11} & H_{12} & \dots & H_{1n} \\ H_{21} & H_{22} & \dots & H_{2n} \\ \dots & \dots & \dots & \dots \\ H_{n1} & H_{n2} & \dots & H_{nn} \end{bmatrix} \begin{bmatrix} c_1 \\ c_2 \\ \cdot \\ c_n \end{bmatrix}$$