## MASTER'S THESIS PRESENTATION

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LU decomposition and Toeplitz decomposition of a neural network

THURSDAY, April 20, 2023, at 1:00 PM Jones 304, 5747 S. Ellis Avenue

## **ABSTRACT**

It is well-known that any matrix \$A\$ has an LU decomposition. Less well-known is the fact that it has a 'Toeplitz decomposition'  $A = T_1 T_2 \cdot T_1 \cdot T_2 \cdot$