

Kronecker Cheat Sheet

$$A \otimes B = \begin{pmatrix} a_{11}B & a_{12}B & \dots & a_{1n}B \\ \{a_{i1}B\} & \{a_{i2}B\} & \dots & \{a_{in}B\} \end{pmatrix}$$

No dimension restriction

$$(A \otimes B)(C \otimes D) = AC \otimes BD$$

$$(A \otimes B)^{-1} = A^{-1} \otimes B^{-1}$$

$$(A \otimes B)' = A' \otimes B'$$