Algoritmo Multiplicar Matrices

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2:09 PM

$$\begin{pmatrix} a_{00} & a_{01} & a_{02} \\ a_{10} & a_{11} & a_{12} \\ a_{20} & a_{21} & a_{22} \end{pmatrix} \begin{pmatrix} b_{00} \\ b_{10} \\ b_{20} \end{pmatrix} = \begin{pmatrix} c_{00} \\ c_{10} \\ c_{20} \end{pmatrix}$$

$c_{00} = a_{00} b_{00} + a_{01} b_{10} + a_{02} b_{20}$

$c_{10} = a_{10} b_{00} + a_{11} b_{10} + a_{12} b_{20}$

$c_{20} = a_{20} b_{00} + a_{21} b_{10} + a_{22} b_{20}$

$$C_{ij} = \sum_{z=0}^{2} a[i][z]\, b[z][j]$$

$$[A]_{m \times n} [B]_{n \times p} = [m \times p]$$