

7.1 Suma de matrices

lunes, 20 de abril de 2020

20:57

$$A = \begin{pmatrix} a_{11} & a_{12} & \dots & a_{1n} \\ a_{21} & a_{22} & \dots & a_{2n} \\ \vdots & \vdots & & \vdots \\ a_{n1} & a_{n2} & \dots & a_{nm} \end{pmatrix}$$

orden
 $n \times m$

$$B = \begin{pmatrix} b_{11} & b_{12} & \dots & b_{1n} \\ \vdots & \vdots & & \vdots \\ b_{n1} & b_{n2} & \dots & b_{nm} \end{pmatrix}$$

$$A + B = \begin{pmatrix} a_{11} + b_{11} & a_{12} + b_{12} & \dots & a_{1n} + b_{1n} \\ \vdots & \vdots & & \vdots \\ a_{n1} + b_{n1} & a_{n2} + b_{n2} & \dots & a_{nm} + b_{nm} \end{pmatrix}$$

$$\left(\begin{array}{c} a_{1n} + b_{1n} \\ \vdots \\ a_{nn} + b_{nn} \end{array} \right)$$

$$\begin{pmatrix} \textcircled{1} & \textcircled{4} \\ 2 & 0 \end{pmatrix} + \begin{pmatrix} \textcircled{-1} & \textcircled{2} \\ 1 & -2 \end{pmatrix} = \begin{pmatrix} 0 & 6 \\ 3 & -2 \end{pmatrix}$$

