Insértion des Equations Mathématique

13 février 2018

1 Exercise 1

$$x = y + z \tag{1}$$

$$f(x) = x^2 (2)$$

$$f(x) = \sum_{k=1}^{n} xi \tag{3}$$

$$f(x) = \int_{1}^{n} xi$$
 (4)

${\bf 2}\quad {\bf Exercice}\ {\bf 2}: {\bf Energy}\ {\bf consumption}\ {\bf model}$

$$E_{Tx}(l,d) = \begin{cases} 1E_{elec} + 1\varepsilon_{\beta}d^2, & d < d_0\\ 1E_{elec} + 1\varepsilon_{mp}d^4, & d \ge d_0 \end{cases}$$
 (5)

$$E_{Tx}(1) = 1E_{elec} \tag{6}$$

$$d_0(1) = \sqrt{\frac{\epsilon_{fs}}{\epsilon_{mp}}} \tag{7}$$

3 Exercice 3 : Matrice

$$\begin{pmatrix} x & y \\ z & f \end{pmatrix}$$
 (8)

$$\begin{pmatrix} x & y \\ z & f \end{pmatrix} \tag{9}$$

$$\begin{bmatrix} x & y \\ z & f \end{bmatrix} \tag{10}$$

$$\begin{vmatrix} x & y \\ z & f \end{vmatrix} \tag{11}$$

$$\begin{bmatrix} a_{11} & \cdots & \cdots & a_{1n} \\ \vdots & a_{22} & \cdots & a_{2n} \\ \vdots & \cdots & \ddots & a_{nn} \end{bmatrix}$$

$$(14)$$