

**Définition Atan(x,y)**

$$Atan(x, y) := \begin{cases} \arctan\left(\frac{y}{x}\right) + \pi & \text{if } (x < 0) \cdot (y \geq 0) \\ \arctan\left(\frac{y}{x}\right) + \pi & \text{if } (x < 0) \cdot (y < 0) \\ \arctan\left(\frac{y}{x}\right) + 2 \cdot \pi & \text{if } (x > 0) \cdot (y < 0) \\ \frac{\pi}{2} & \text{if } (x = 0) \cdot (y > 0) \\ \frac{3 \cdot \pi}{2} & \text{if } (x = 0) \cdot (y < 0) \\ \arctan\left(\frac{y}{x}\right) & \text{otherwise} \end{cases}$$