

Entrée FP0 x FP1 y net $\theta = \text{angle}(x, y)$
 $\in]-\pi, \pi]$



Met FP2 = θ
 Consigne FP0-FP1 NAN si $\frac{0}{0}$

CPCANG: FMOVECR $\neq 0, FP3$ π
 FMOVE FP1, FP2 y
 FTEST FP0

FBLT $\vee 1$
 FDIV FP0, FP2
 FATAN FP2

cas $x \geq 0$
 si $\frac{0}{0}$
 $\text{Atan}\left(\frac{y}{x}\right) \in \left[-\frac{\pi}{2}, \frac{\pi}{2}\right]$

RTS

$\vee 1$: FDIV FP0, FP2

cas $x < 0$

FATAN FP2

$y = \text{Atan}\left(\frac{y}{x}\right)$

FTST FP1 y

FBLT $\vee 2$

FADD FP3, FP2 $y \geq 0$ ajoute π

RTS

$\vee 2$: FSUB FP3, FP2

si $y < 0$ retranche π

RTS

