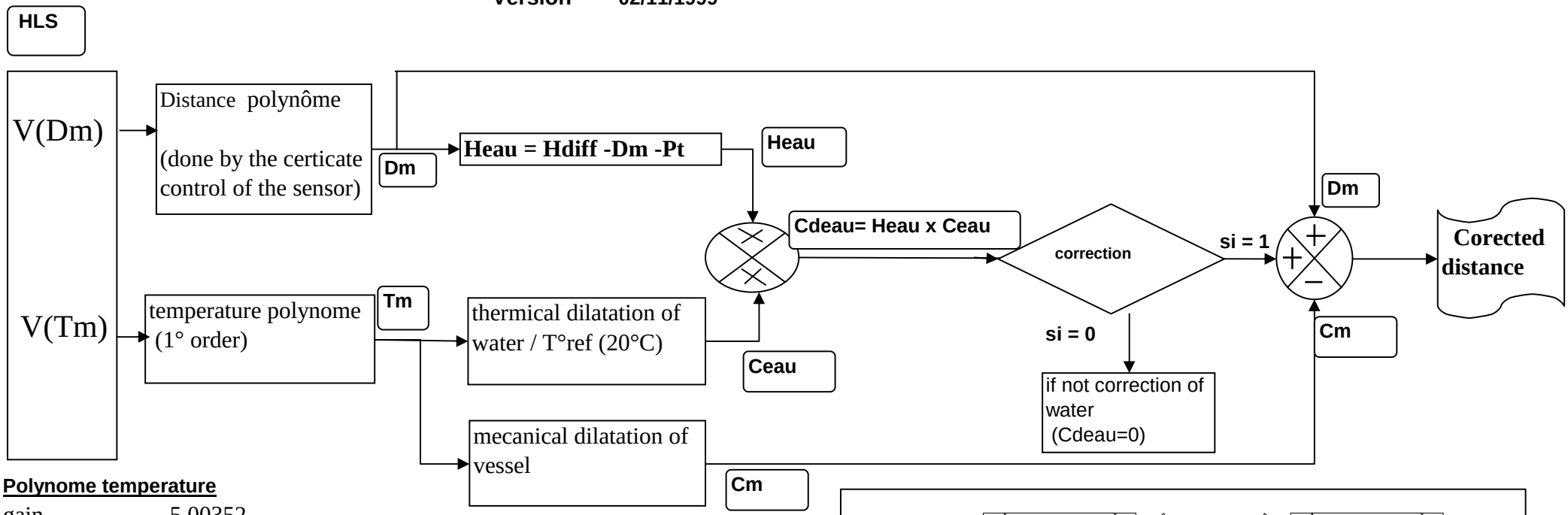
HLS distance correction

Version 02/11/1999



Polynome temperature

gain 5.00352

offset -0.4045

thermical dilatation of water :

$$Ceau = \frac{F(Tm) - F(Tref)}{10^5 - F(Tm)}$$

Tref=20°C

$$F(t) = a_0 + a_1.t + a_2 t^2 + a_3 t^3$$ with

a0= 8.4976

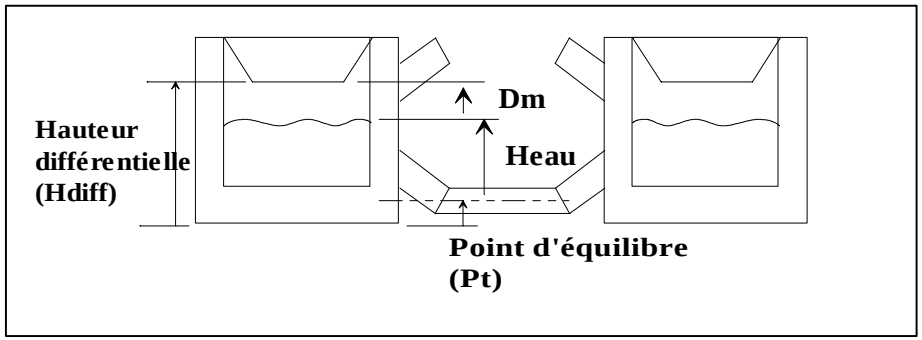
a1= -5.2344

a2= 0.75406167

a3= -0.0036023

mecanical dilatation of vessel

$$Cm = Hdiff \times Coefdil\_pot \times 10^{-6} \times (Tm\text{-}Tref)$$



Example of parameters in ini file:

Pt = 11 mm

Hdiff = 54 mm

Coefdil_pot= 17ppm/℃

correction eau = 1