Formules d'addition:

(1) $\cos(a - b) = \cos a \cos b + \sin a \sin b$

(2) $\cos(a + b) = \cos a \cos b - \sin a \sin b$

(3) $\sin(a + b) = \sin a \cos b + \sin b \cos a$

(4) $\sin(a - b) = \sin a \cos b - \sin b \cos a$

(5) $\operatorname{tg}(a + b) = \dfrac{\operatorname{tg} a + \operatorname{tg} b}{1 - \operatorname{tg} a \operatorname{tg} b}$

(6) $\operatorname{tg}(a - b) = \dfrac{\operatorname{tg} a - \operatorname{tg} b}{1 + \operatorname{tg} a \operatorname{tg} b}$

Formules de duplication:

(7) $\sin 2a = 2 \sin a \cos a$

(8) $\cos 2a = \cos^2 a - \sin^2 a$

(9) $\operatorname{tg} 2a = \dfrac{2 \operatorname{tg} a}{1 - \operatorname{tg}^2 a}$

(10) $\cos^2 a = \dfrac{1}{2}(1 + \cos 2a)$

(11) $\sin^2 a = \dfrac{1}{2}(1 - \cos 2a)$

(Formules de Carnot)

Formules de Simpson:

(12) $\sin p + \sin q = 2 \sin \dfrac{p + q}{2} \cdot \cos \dfrac{p - q}{2}$

(13) $\sin p - \sin q = 2 \sin \dfrac{p - q}{2} \cdot \cos \dfrac{p + q}{2}$

(14) $\cos p + \cos q = 2 \cos \dfrac{p + q}{2} \cdot \cos \dfrac{p - q}{2}$

(15) $\cos p - \cos q = -2 \sin \dfrac{p + q}{2} \cdot \sin \dfrac{p - q}{2}$

(16) $\operatorname{tg} p + \operatorname{tg} q = \dfrac{\sin(p + q)}{\cos p \cdot \cos q}$

(17) $\operatorname{tg} p - \operatorname{tg} q = \dfrac{\sin(p - q)}{\cos p \cdot \cos q}$