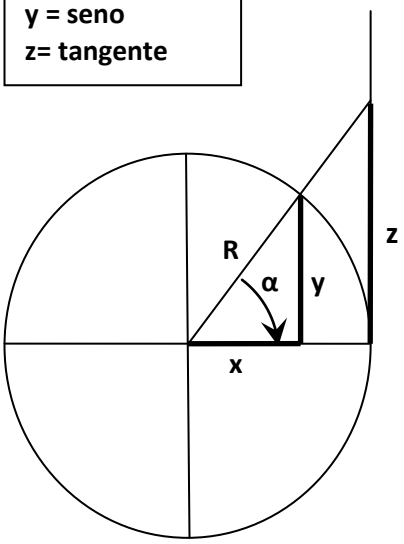
FUNCIONES TRIGONOMÉTRICAS

x = coseno
y = seno
z= tangente



VALOR DEL RADIO (R) = 1

TRIGONOMETRÍA PLANA

sen α = y/R

cos α = x/R

tag α = sen α/cos α

INVERSAS

Cosecante α = 1/ sen α

Secante α = 1/cos α

Cotangente α = 1/tag α

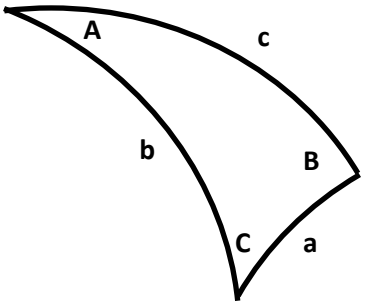
TRIGONOMETRÍA ESFÉRICA

Teorema del seno

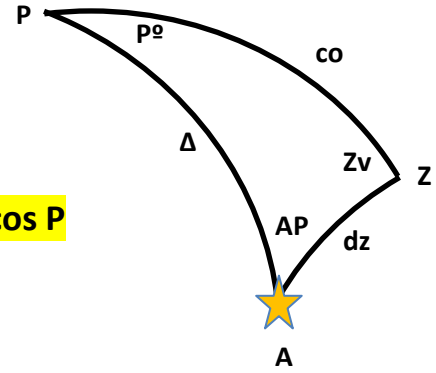
sen a / sen A = sen b /sen B = sen c/sen C

Teorema del coseno

cos a = cos b x cos c + sen b x sen c x cos A
cos b = cos a x cos c + sen a x sen c x cos B
cos c = cos a x cos b + sen a x sen b x cos C



dado que:
cos dz = sen a
cos Δ = sen d
cos cd = sen le



sen ae=sen d x sen le + cos d x cos le x cos P

Teorema de la cotangente

cotg a sen b = cos b x cos C + sen C x cotg A

se actúa de la misma manera

cot Z = cos le(tg d /sen P – tag le / tag P)