Espoon Kipparit ry

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Havaittu taivaankappale			Merkintä-paikka	Lat φ	
				Lon λ	
H_i =	Päivä	klo$_i$ =		KrT$_i$ =	
ik =		klok =		krk =	
H_h =	$\rightarrow$	ZT =		KrT =	
Dip =		zc =		+12h	
H_a =	$\rightarrow$	UT =		UT =	
rk =	♈GHA =		HP =		
HPK =	★SHA =		v =		
pk =	GHA$_t$ =		d =		
ΔR =	k^{ms} =		Dec$_t$ =		
Uk =	vk =		± dk =		
H_t =	GHA =		Dec =		
H_L =	± λ =		Lon λ = ___		
ΔH =	LHA =		-15°		
kohti | pois ___ mpk	± 360°		ΔT =		
Zn =	LHA =		zc =		

Zn = z° kun LHA ≥180°
Zn = 360°- z° kun LHA <180°

sin(H_L) =	
$H_{L°}$ =	
cos(z) =	
z =	
z° =	

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Zn =	LHA =		zc =		

Zn = z° kun LHA ≥180°
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sin(H_L) =	
$H_{L°}$ =	
cos(z) =	
z =	
z° =	

$\underline{sin(H_L)} =$ $(sin\ Lat) \cdot (sin\ Dec) + (cos\ Lat) \cdot (cos\ Dec) \cdot (cos\ LHA)$ $\underline{cos(z)} =$ $((sin\ Dec) - (sin\ Lat) \cdot (sin\ H_L))/((cos\ Lat) \cdot (cos\ H_L))$