

PROBLEM: $D: 21^{\circ}23'$ $L: 34^{\circ}10'$ $t: 9^{\circ}29'$
(G. RUDZINSKI 5-27-14)

CALCULATIONS; ALL ANGLES IN ARCHIN

D: 1283 L: 2050 t: 569
2D: 2566 2L: 4100 2t: 1138

D-L: -767 D+L: 3333 S: 3902
cos: 9752 cos: 5657 cos: 4221

S-2D: 1336 S-2L: -198 S-2t: 2764
cos: 9254 cos: 9983 cos: 6938

2Q: 4095 \approx Q: 2048 } Q+P: 9647 { DEFINED
4P: 30,396 \approx P: 7599 } a cos: 916 { BELOW

//C IN ARCHIN: $5400 - 916 : 4484$ ←
IN DEGREE: $4484 / 60 : 74.73^{\circ}$
OR : $74^{\circ}44'$ ←

PER CALCULATOR: $74^{\circ}44'$ ←

DEFINITIONS: $S: D+L+t$

x $2Q: \cos(D-L) + \cos(D+L)$
 $4P: \cos(S) + \cos(S-2D) +$
 $\cos(S-2L) + \cos(S-2t)$