

S A T E L L I T . B A S

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10 ' P.A.K. 10 par Dominique COURRIER >LA
20 MODE 2: CLEAR: PRINT "Orientation d'antennes parabolique >JC
   es pour la t{vision par satellite": PRINT: PRINT "Coordo
   n{es de la station de r{ception": INPUT "Latitude (Degr
   {s, Minutes) : "; D, M: LAT = D + M / 60: INPUT "Longitude (Degr{
   s, Minutes) : "; D, M
30 INPUT " (E)st / (O)uest : "; A$: LON1 = D + M / 6 >KH
   0: PRINT: PRINT: PRINT "Position du satellite sur l'equateu
   r": INPUT " (Degr{s, Minutes) : "; D, M: INPUT "
   (E)st / (O)uest : "; B$: LON2 = D + M / 60: A$ = UPPER$(
   LEFT$(A$, 1)): B$ = UPPER$(LEFT$(B$, 1))
40 IF A$ = B$ THEN LON = LON2 - LON1 ELSE LON = LON2 + LON1 >TH
50 IF LON2 > LON1 THEN IF B$ = "E" THEN R$ = "E" ELSE R$ = "O" >UU
60 IF LON2 <= LON1 THEN IF A$ = "E" THEN R$ = "E" ELSE R$ = "O" >VB
70 L1 = PI / 180 * LAT: L2 = PI / 180 * LON: AZ = (ATN(TAN(L2) / SIN(L1)) >PE
   ) * 180 / PI: S1 = (ATN((COS(L1) * COS(L2) - 0.15) / SQR(1 - COS(L1)^2
   * COS(L2)^2))) * 180 / PI: PRINT: PRINT: PRINT "Orientation de l
   'antenne parabolique ": PRINT: PRINT "Azimuth : ";
80 PRINT INT(AZ); "Degr{s"; INT((AZ - INT(AZ)) * 60); "Minutes >EU
   - "; IF R$ = "E" THEN PRINT "Est" ELSE PRINT "Ouest"
90 PRINT "El{vation : "; PRINT INT(S1); "Degr{s"; INT((S >BR
   1 - INT(S1)) * 60); "Minutes": END

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