

INTERSECTION D'UN CONE DE REVOLUTION D'AXE  
VERTICAL ET D'UN PLAN DEBOUT. HP48GX.

1/2

ICPD: 7074 bytes.

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<< CLEAR SOUP PROJ
" Intersec. cone plan debout. d
B° ? " { " " } INPUT STR → 'X' STO
" H° ? " { " " } INPUT STR → 'Y' STO
" D° ? " { " " } INPUT STR → 'Z' STO
" Nb. Gén. régulière d
? " { " " } INPUT STR → 'r' STO
' Z / Z ' → NUM 'θ' STO
' ATAN(θ / Y) ' → NUM 'W' STO
DO CLEAR PROJ
" A° ? " { " " } INPUT STR → 'V' STO
" Coord. Intersec. "
' Y * TAN(W) * SIN(V) * TAN(X) / (1 + TAN(W)
* SIN(V) * TAN(X)) ' → NUM 'U' STO
" X = (H - Y) Tan C Sin A "
' (Y - U) * TAN(W) * SIN(V) ' → NUM PROJ
" Y = (H Tan C Sin A " " Tan B) / (1 + Tan C "
" Sin A Tan B) " U PROJ CLEAR
" Z = R Cos A "
' θ * (COS(V)) ' → NUM 'R' STO R PROJ CLEAR
" Developpement "
" G = (H - Y) / Cos C "
' (Y - U) / (COS(W)) ' → NUM PROJ CLEAR
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