Detailed late: why does I HCW) change faster (near a pole) as ple opproades unit circle

example pole on red oris

Point (COSIN SIEM)

V = vector from pole point on circle (onskiber)

1,1= \ (ww-R)2+(sinw-0)2

= V1032WTSW2W+82-2ROSW

= V1+R2-2R COSW

minimum at w=0: 1v,1= V1+12-22 = V(1-1232

for who; as with as I, so Iv. I T

Rde of change dlv.1 = 1/2 (1+122-212050) de (1+122-212050)

as R increases, (but is <1), the numerator T and the denominate I So, dlv.1 increases