

Known:

Find:

Find **a**

Find **d**

Find **h**

Find **b** (for completeness)

Find **P2**

P2 = P0 + scaled by

P2 = (x2,y2)

Find **P3**

is normal to with magnitude **h**, originating at **P2**

Unit Vector of is is

Normal Vectors of the Unit Vector of of are:



h-Scaled Normal Vectors of the Unit Vector of are

*(5a)*

*(5b)*

P3 = P2 + *(5a)*

P3 = (x3, y3) = (x2,y2) +

P3 = P2 + *(5b)*

P3 = (x3, y3) = (x2,y2) +

