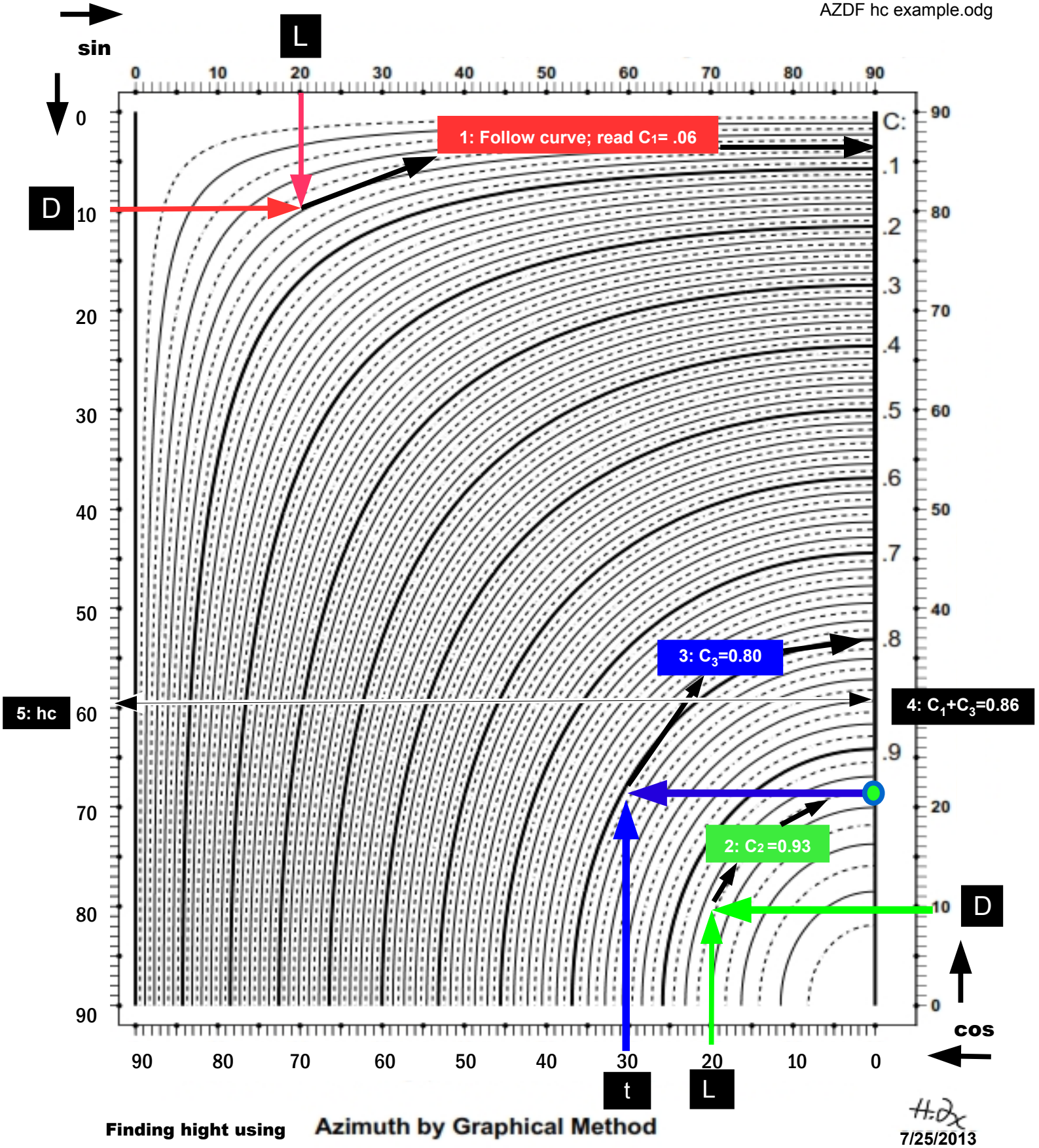
AZDF hc example.odg



Finding hight using **Azimuth by Graphical Method**

H.Dx

7/25/2013

It is sin(hc) = sin(D) * sin(L) + cos(D) * cos(L) * cos(t); **Example: D = 10; L = 20; t = 30;**

From graph: C_1 = sin(D) * sin(L) = 0.06; C_2 = cos(D) * cos(L) = 0.93; C_3= C_2 * cos(t) = 0.80;

Therefore: sin(hc) = C_1 + C_3 = 0.06 + 0.80 = 0.86; **hc = 60;** **(By calculation hc = 59 deg, 24 sec)**