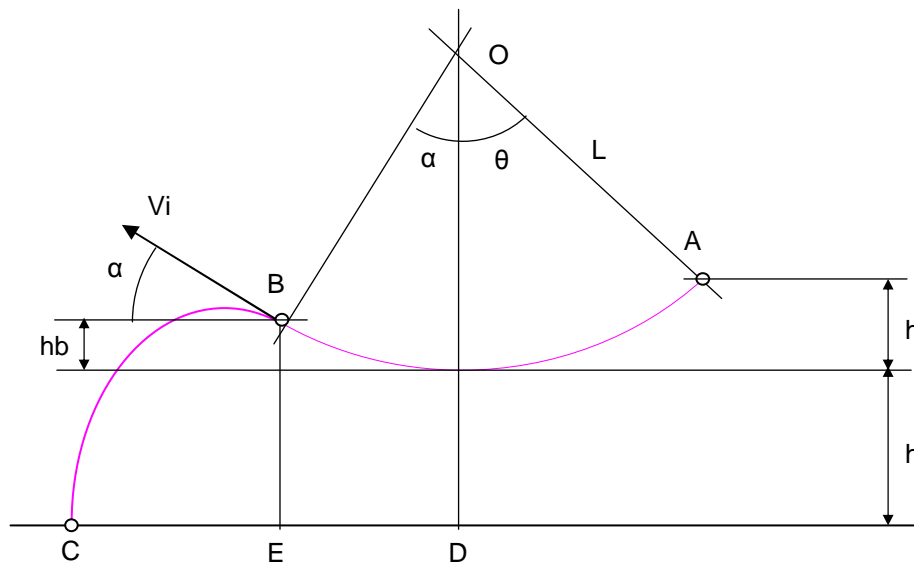


Angle du pendule pour chute à distance maximale

g	9,81	m/s/s		
L	1,5	m		
h	0,75	m		
theta	45	° ou	0,78539816	rad

Alpha (rad)	0,5599565
Alpha (°)	32,0831442

Vi	2,03107	m/s
EC	0,4991983	m
DC	1,29592231	m



$$V_i = \sqrt{2gL(\cos \alpha - \cos \theta)}$$

$$EC = \frac{V_i}{g} \cos \alpha \left[V_i \sin \alpha + \sqrt{V_i^2 \sin^2 \alpha + 2y_0 g} \right]$$