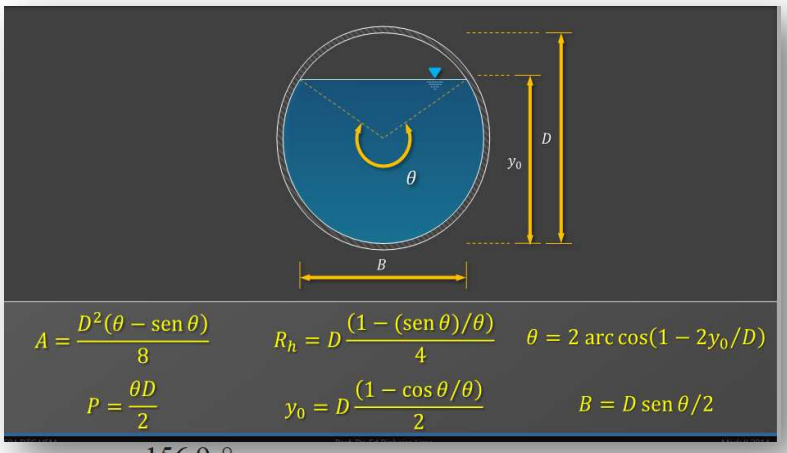
Cálculo de vazão de condutos livres - circulares

Voltar

L	100 m	Am	0.42	m²
		Rh	0.257	m
Φ	1.2 m	V	3.995	m/s
		Q	1.688	m³/s
I0	2.5 %	Tc	0.42	s
n	0.016			
Y0/D	40.00%			

$$Q = \left(\frac{1}{n}\right).A.Rh^{\frac{2}{3}}.I_o^{\frac{1}{2}}$$



θ 156.9 °

A 0.42 m²

P 1.64 m

Rh 0.26 m

Q 1.69 m³/s

02) Velocidade

V 4.00 m/s

03) Tempo de percurso

tc 0.42 min