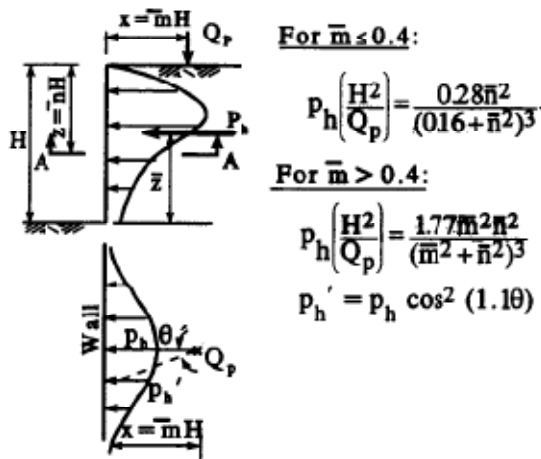


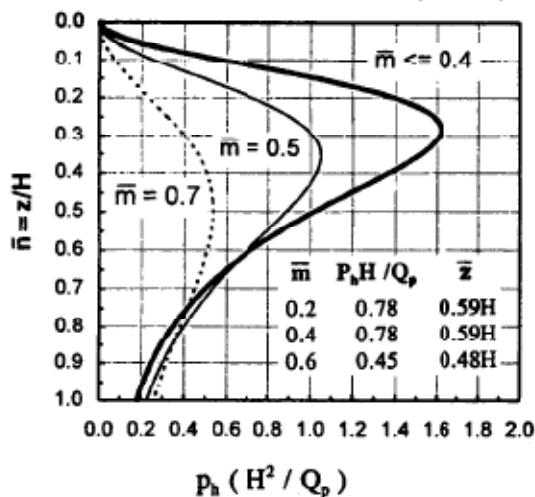
Surcharge Formulas For Retaining Structures:

Point Load

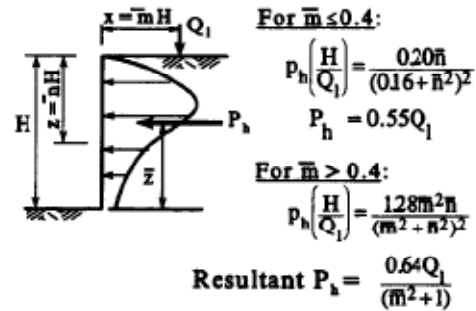


Pressures from Point Load Q_p

(Boussinesq Equation Modified By Experiment)

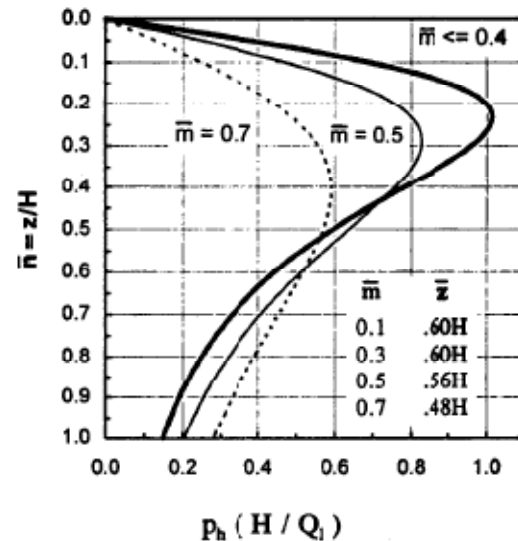


Line Load

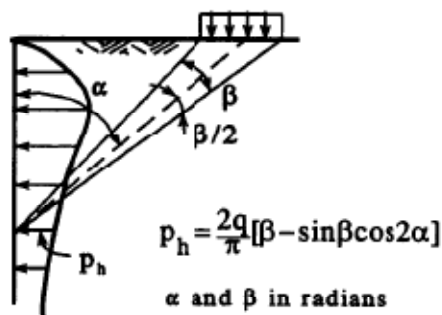


Pressures from Line Load Q_l

(Boussinesq Equation Modified by Experiment)

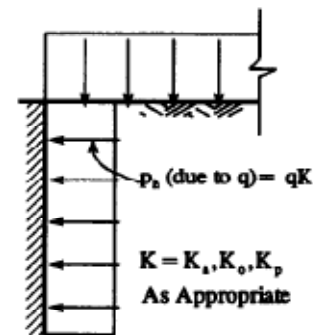


Strip Load (pressure)



Pressure from Strip Load

Uniform Surcharge



Pressures from Uniform Surcharge

Solutions for point, line and strip loading are semi-empirical and based on an assumption of unyielding walls.