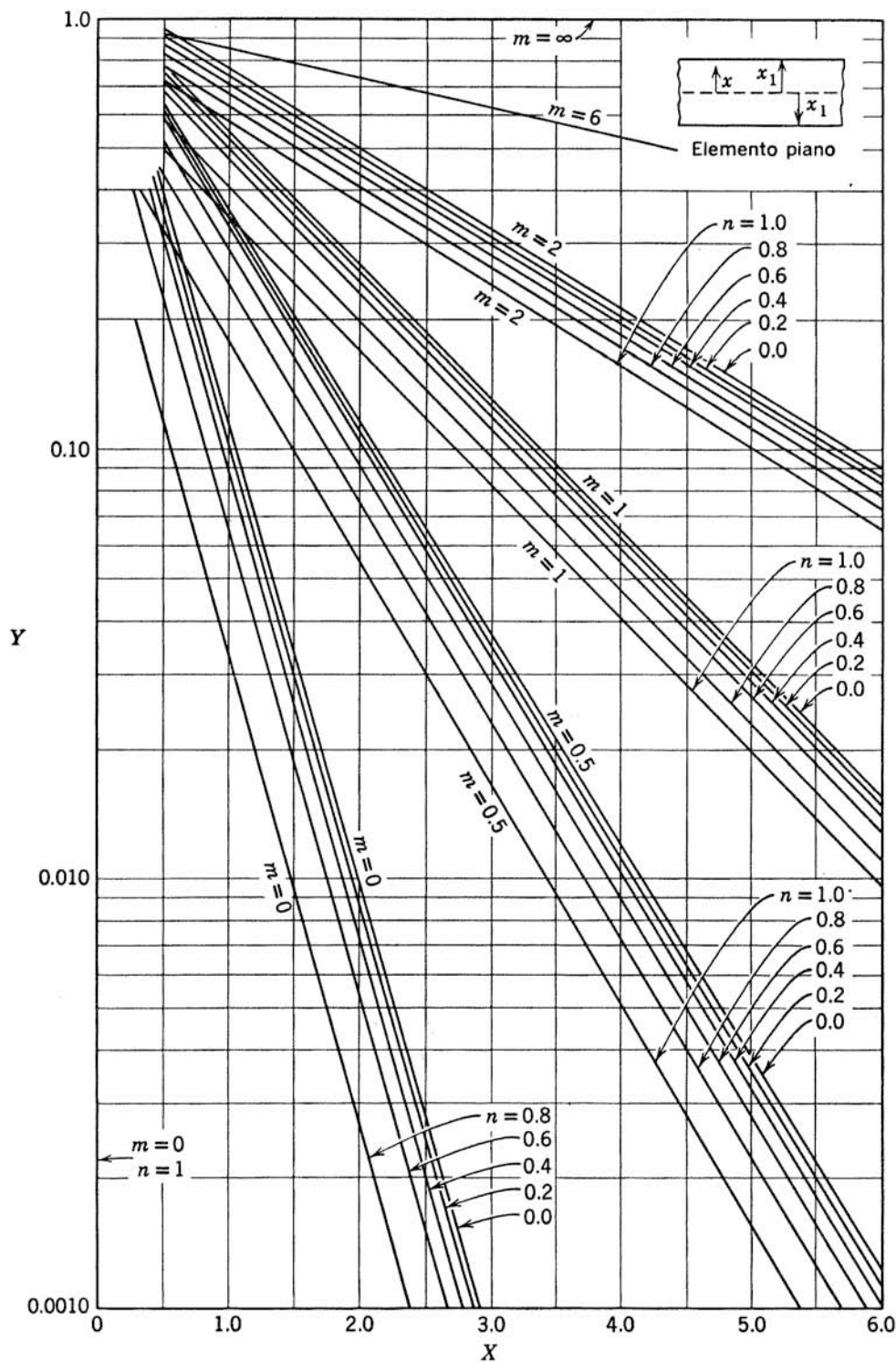


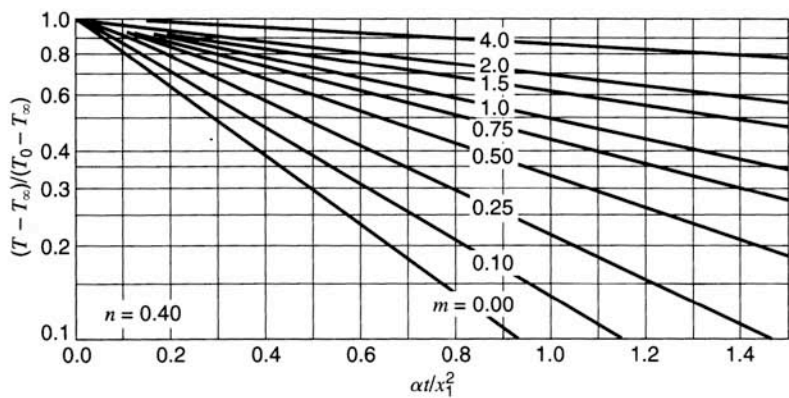
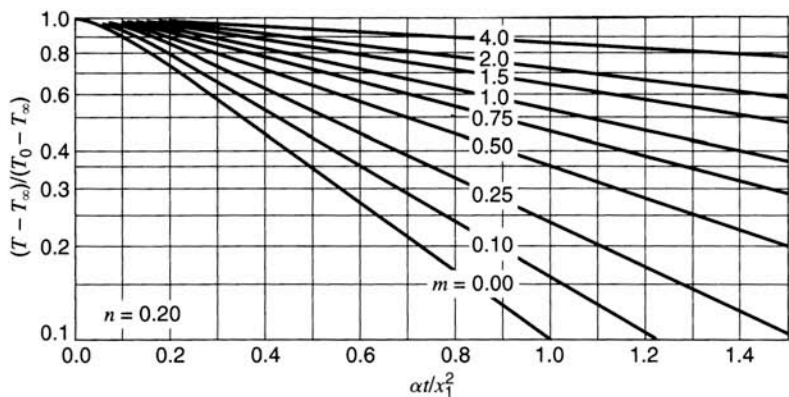
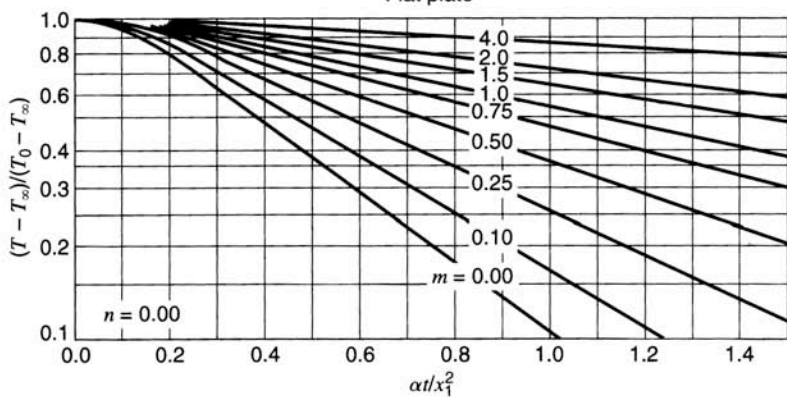
Relazioni fra i parametri di trasporto di materia e di energia per il trasporto diffusivo in transitorio

Trasporto di energia	Trasporto di materia	
	$K = c_L/c = 1.0$	$K = c_L/c \neq 1.0$
$Y, \frac{T_1 - T}{T_1 - T_0}$	$\frac{c_1 - c}{c_1 - c_0}$	$\frac{c_1/K - c}{c_1/K - c_0}$
$1 - Y, \frac{T - T_0}{T_1 - T_0}$	$\frac{c - c_0}{c_1 - c_0}$	$\frac{c - c_0}{c_1/K - c_0}$
$X, \frac{\alpha t}{x_1^2}$	$\frac{D_{AB} t}{x_1^2}$	$\frac{D_{AB} t}{x_1^2}$
$\frac{x}{2\sqrt{\alpha t}}$	$\frac{x}{2\sqrt{D_{AB} t}}$	$\frac{x}{2\sqrt{D_{AB} t}}$
$m, \frac{k}{hx_1}$	$\frac{D_{AB}}{k_c x_1}$	$\frac{D_{AB}}{K k_c x_1}$
$\frac{h}{k} \sqrt{\alpha t}$	$\frac{k_c}{D_{AB}} \sqrt{D_{AB} t}$	$\frac{K k_c}{D_{AB}} \sqrt{D_{AB} t}$
$n, \frac{x}{x_1}$	$\frac{x}{x_1}$	$\frac{x}{x_1}$

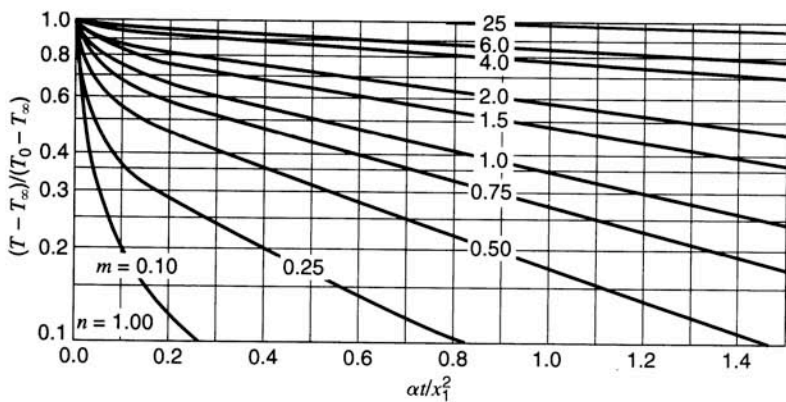
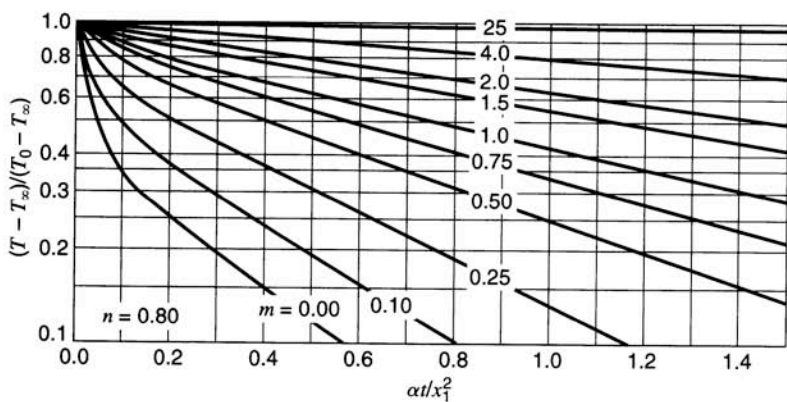
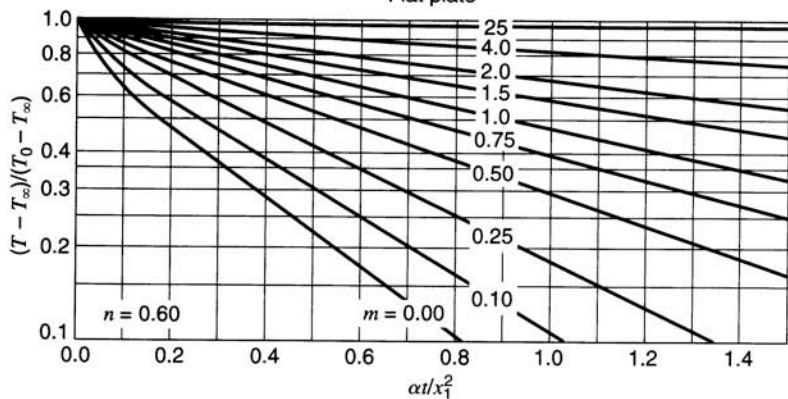
*x è la distanza dal centro della lastra, del cilindro o della sfera; c_0 è la concentrazione iniziale uniforme nel solido, c_1 è la concentrazione nel fluido all'esterno del solido e c è la concentrazione nel solido alla posizione x e al tempo t .

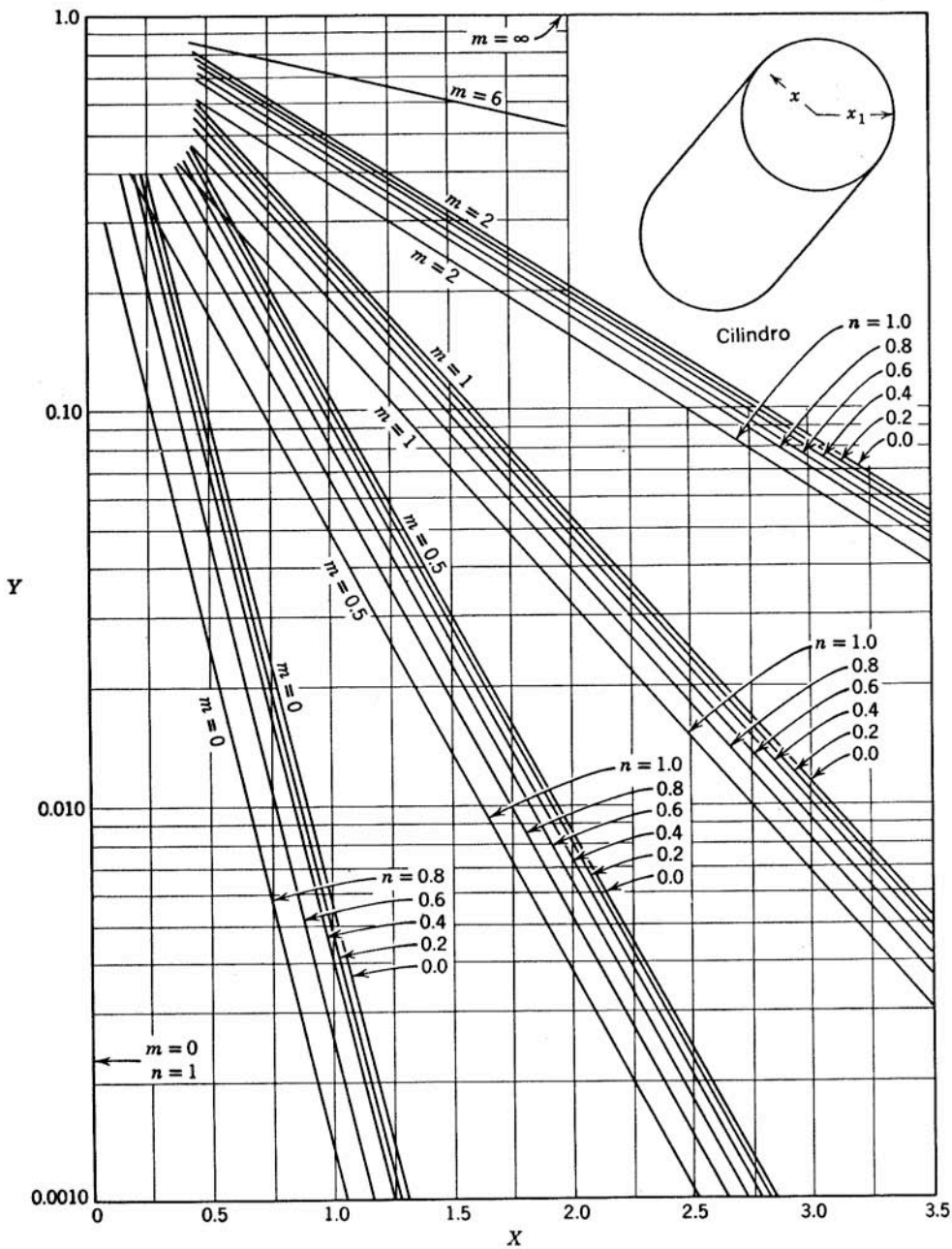


Flat plate

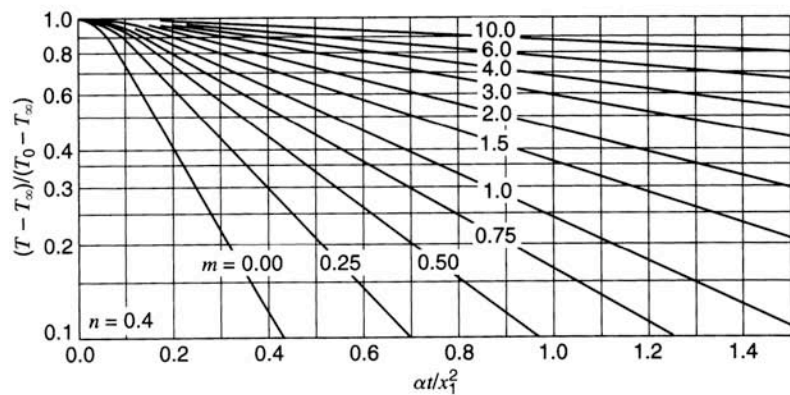
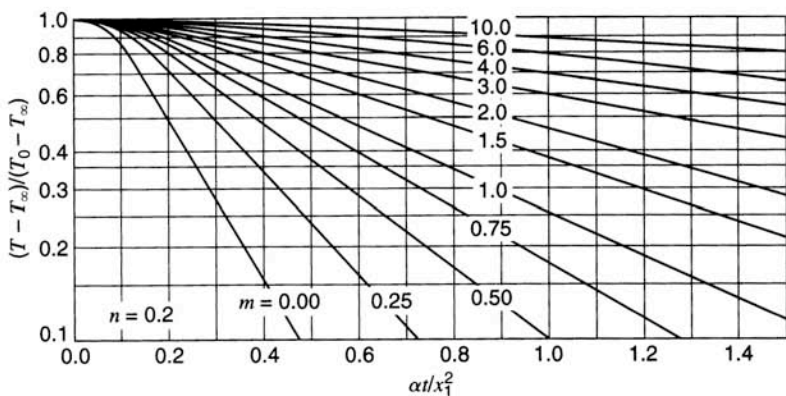
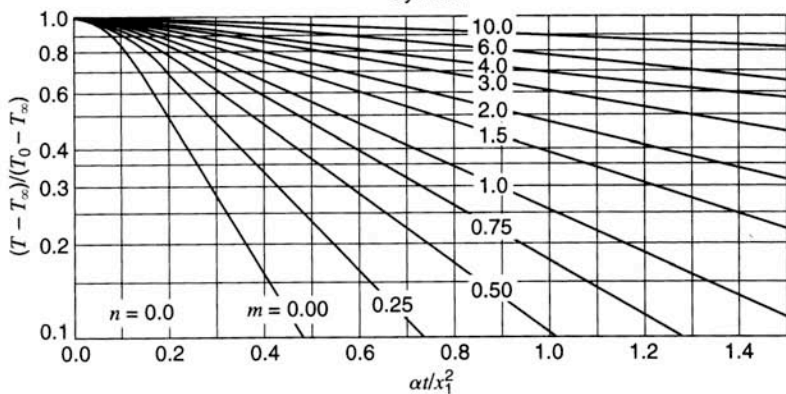


Flat plate

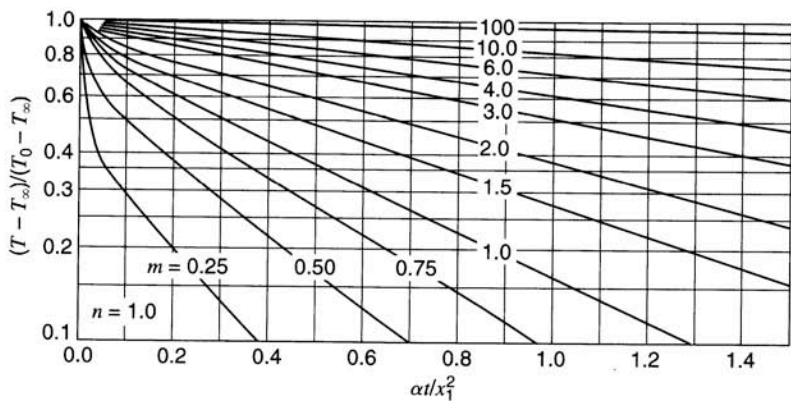
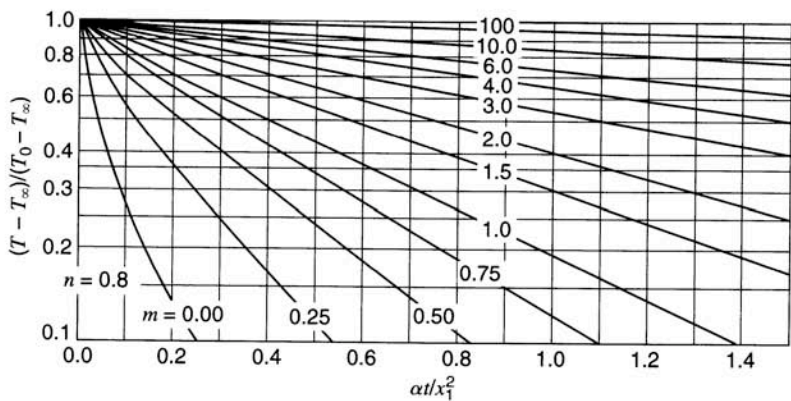
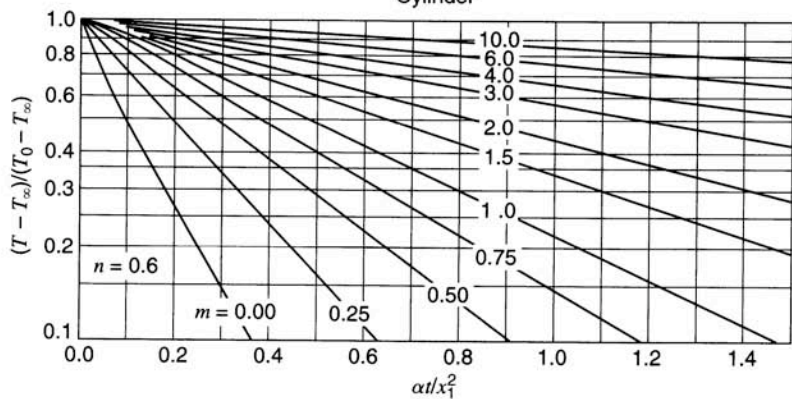


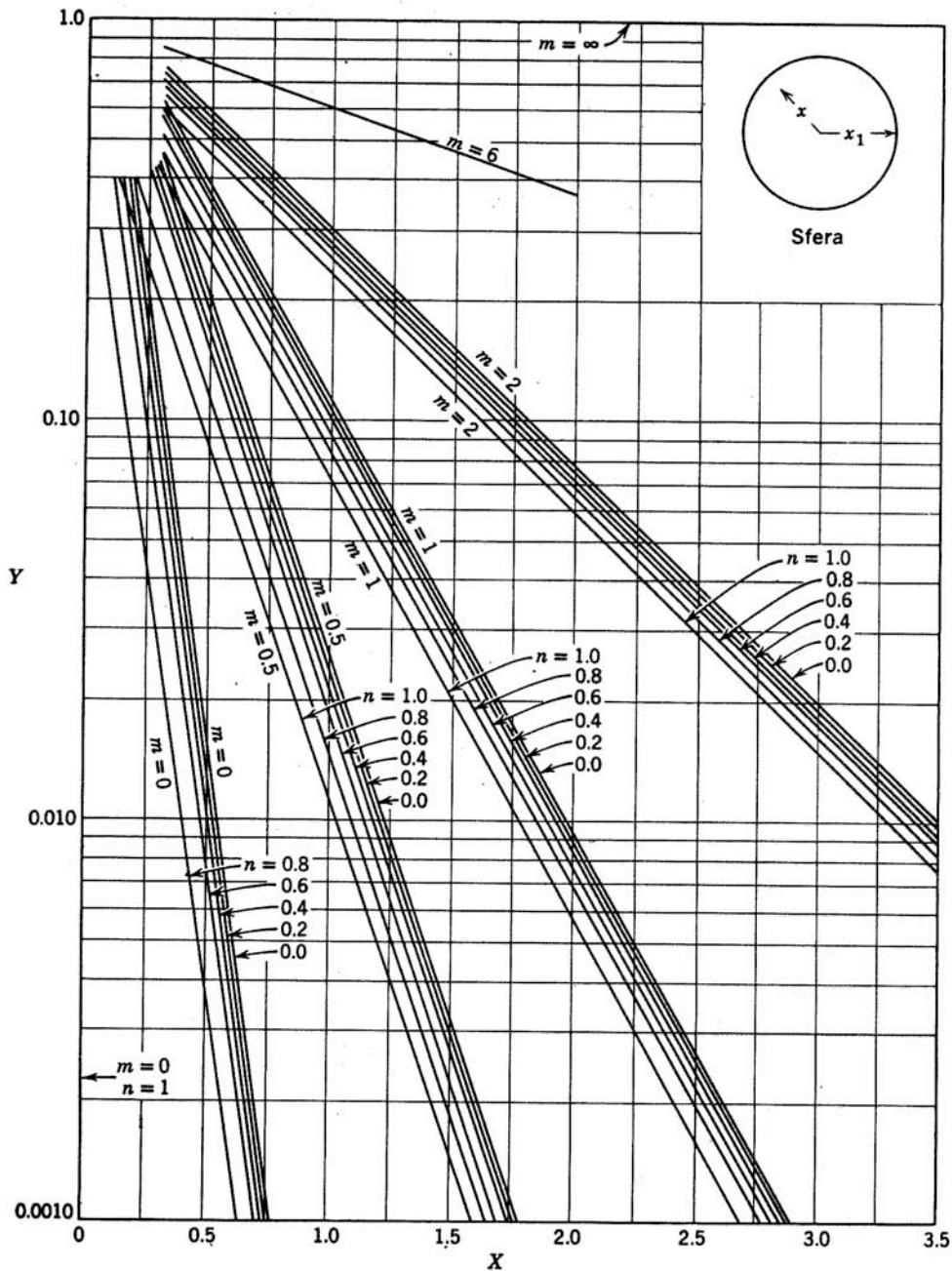


Cylinder

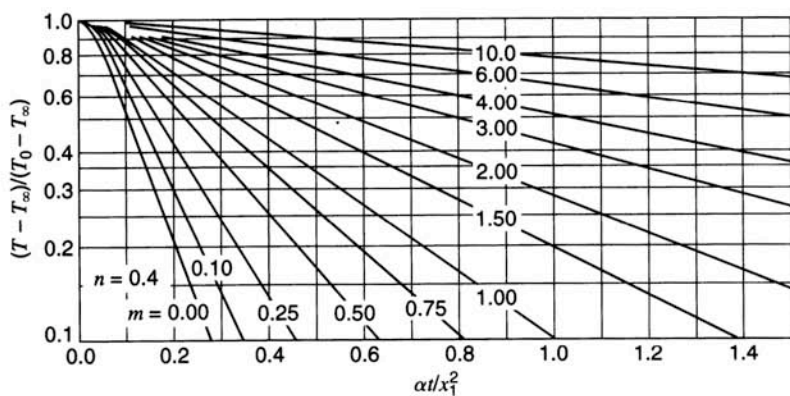
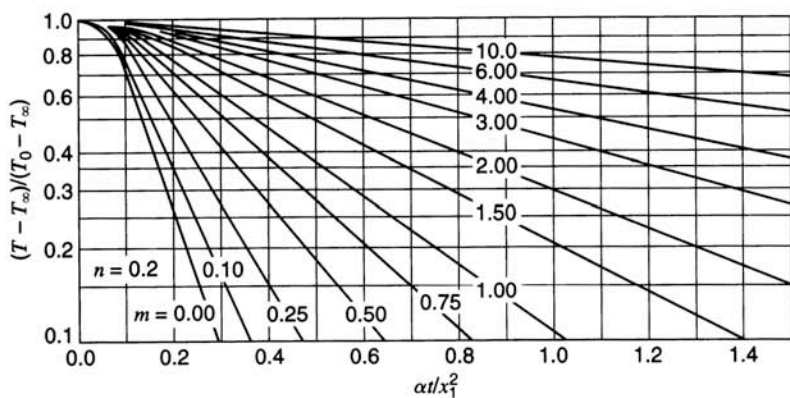
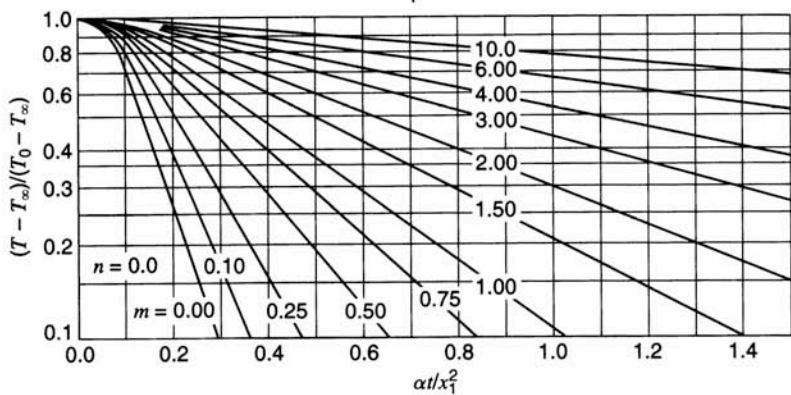


Cylinder





Sphere



Sphere

