

()

:

) () (

.(

*

*

*

()

:

(Y) (X)

:

.()
.(,)

.(/)

P.E

.() ()
.()

(X)

()

()

(Y)

$$q_e = V/T$$

: j i g f ()

$$X = f(t_a)^g$$

$$Y = i(t_a)^j$$

()

()

()

= X

= Y

= t_a

(cm/hr) (I)

$$q_e = 10^{-3} \pi R^2 I$$

(L/hr)

(cm)

= q_e

= R

: g, f

$$X_1 = f(t_{a1})^g \quad (1) \quad , \quad X_2 = f(t_{a2})^g \quad (2)$$

: g

: /

$$\frac{X_1}{X_2} = \frac{(t_{a1})^g}{(t_{a2})^g} \quad \therefore g = \frac{\log(X_1/X_2)}{\log(t_{a1}/t_{a2})}$$

: f

$$f = \frac{X_1}{(t_{a1})^g} = \frac{X_2}{(t_{a2})^g}$$

(X4, X3) (X3, X2)

g, f

: i, j

$$Y_1 = i(t_{a1})^j \quad , \quad Y_2 = i(t_{a2})^j$$

j, i

g, f

Y X ()

Curve No.	Ta (hr)	X (m)	Y (m)
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			