

بررسی تجربی تغییرات انباشت فاز پراکنده با ارتفاع در ستونهای استخراج مایع - مایع ضربه‌ای سینی دار

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$$\varepsilon = V_d / (V_d + V_c)$$

V_c

V_d

ε

$$K_E a = K_E [6\varepsilon / d_{32}]$$

()

$$K_R a = K_R [6\varepsilon / d_{32}]$$

()

K_R K_E

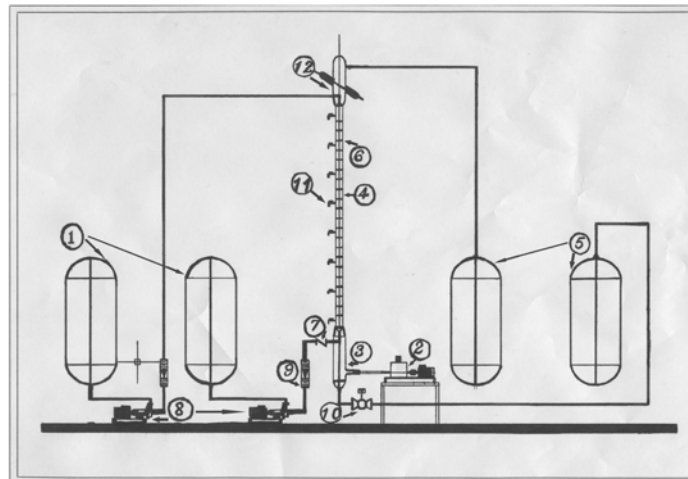
a

[]

. (dyne/cm)		°C	\bar{d}_{32} (m ² /m ³)	K_{Ra}	K_{Ea}	ϵ (m)
30	/					
15	/					
22	/					

Merck

(dyne/cm)	(cp)		
32	0.58	0.866	
29	0.63	0.950	
26	2.30	0.820	



()

() ()

/ / /

. []

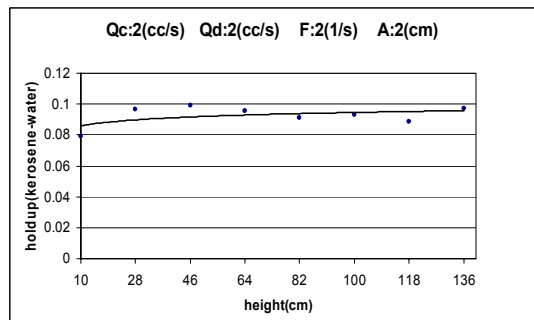
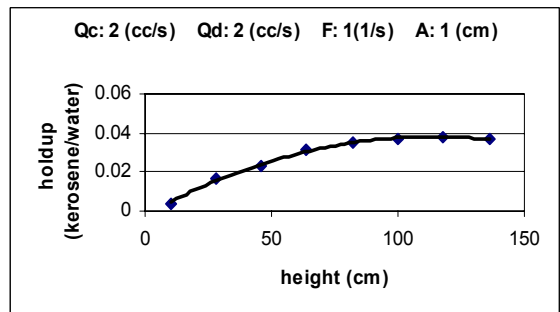
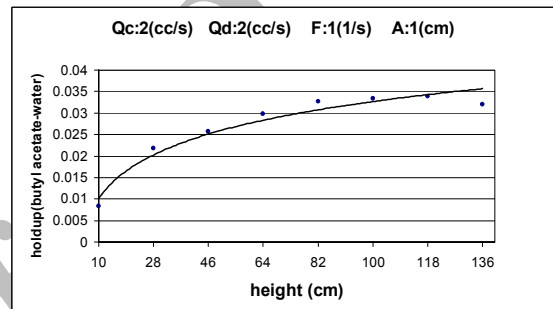
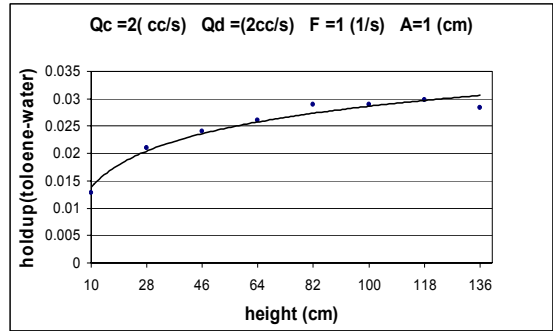
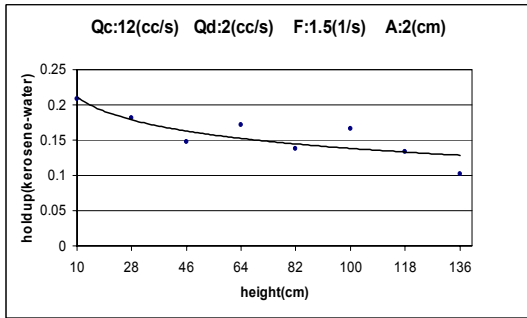
/ (cm) / (s⁻¹) /

/ / (cc/s)
/ (cc/s)

() (cc/s)

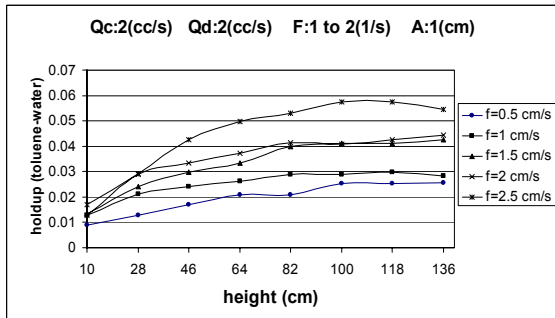
() . []

-



()
() ()

Archive of

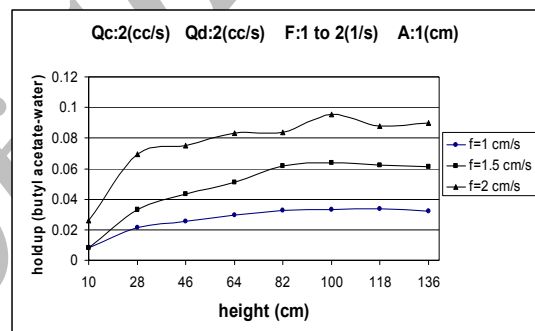


(s⁻¹) /

(s⁻¹)

() ()

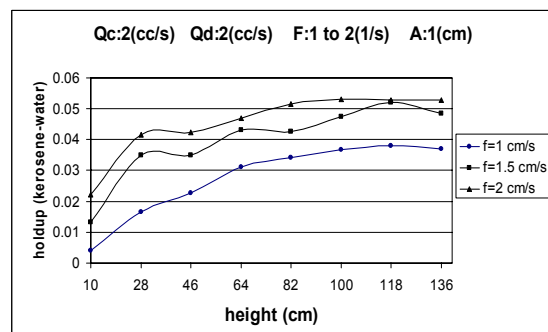
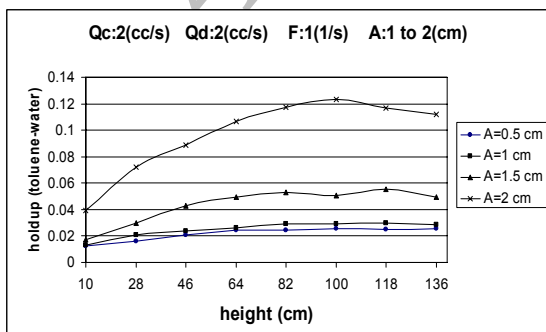
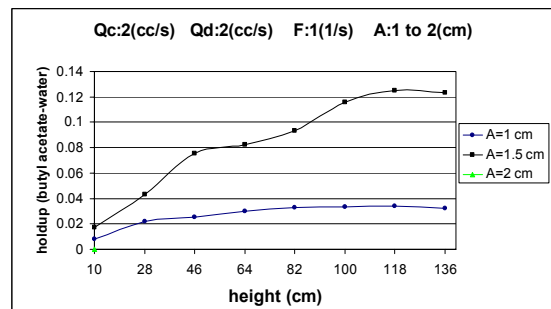
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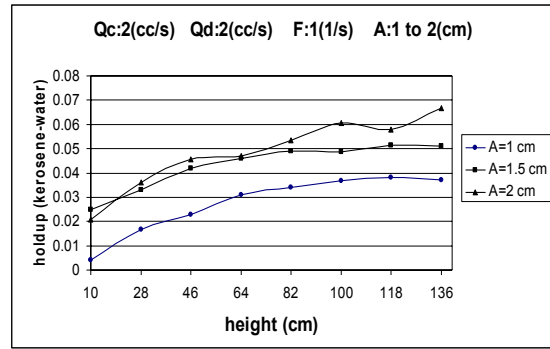
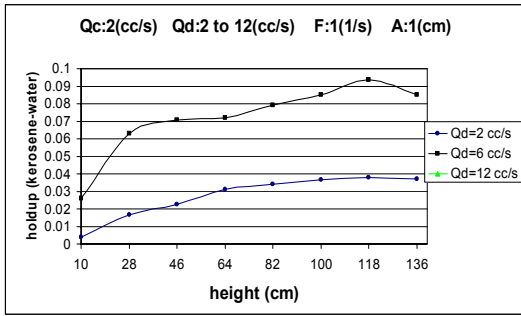


(cm) (s⁻¹)

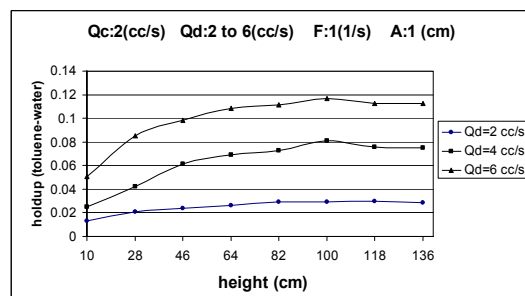
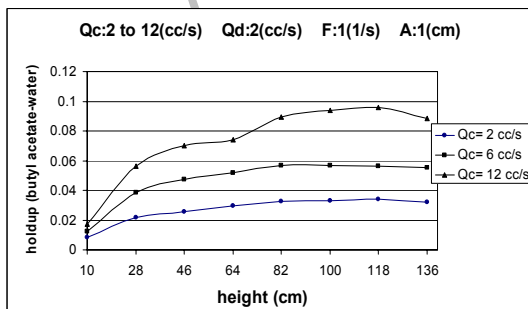
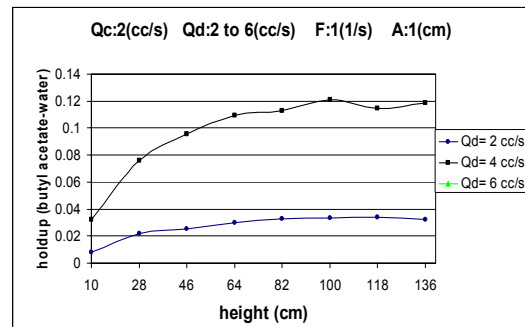
(cm) (s⁻¹)

(cm/s)





() ()

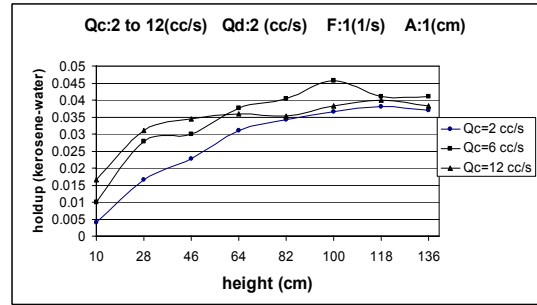
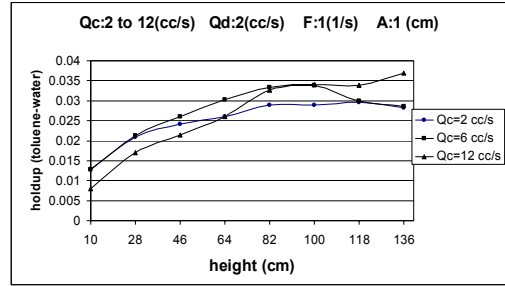


B A

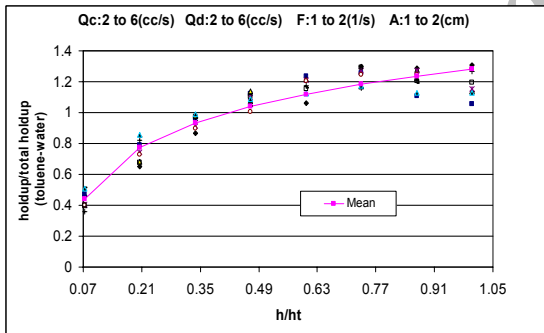
()

B A :

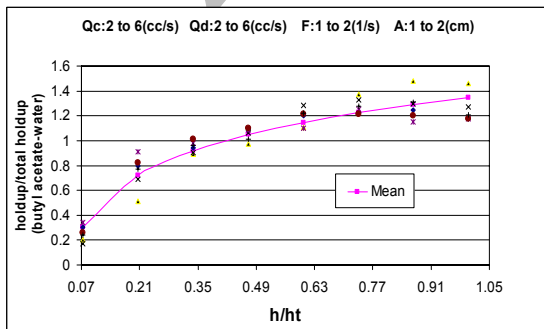
B	A	
/	/	/
/	/	/
/	/	/
/	/	



[]



h/h_t ϵ/ϵ_m :



h/h_t ϵ/ϵ_m :

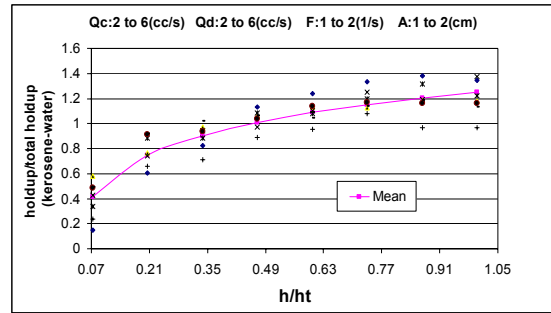
$$\epsilon/\epsilon_m = A \ln(h/h_t) + B \quad ()$$

h/h_t ϵ/ϵ_m

()

()

(cc) : V_d
(cc) : V_c
: ε
: ε_m
(cm) : d_{32}
(cc/s) : Q_d
(cc/s) : Q_c
(cm) : h
(cm) : h_t
: A
: B



h/h_t :
: $\varepsilon/\varepsilon_m$:
(m/s) : K_E
(m/s) : K_R

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- 1 - Pulsed Plate Column
- 2 - Hold up
- 3 - Extract
- 4 -Raffinate
- 5 - Shut down
- 6 - Flooding