

Problem 21
Unit Hydrograph Derivation by the Single Event Method

[a] 3 pts

Time (hr)	6-hr UH (cfs)
0	0.0
3	523.1
6	1492.3
9	1076.9
12	756.9
15	533.8
18	352.3
21	200.0
24	112.3
27	64.6
30	29.2
33	0.0

[b] 2 pts

$t_r =$ hr

[c] 3 pts

Estimated 6-hr UH P_e (in)	TRUE 6-hr UH P_e (in)
0.45	0.50
0.55	0.50