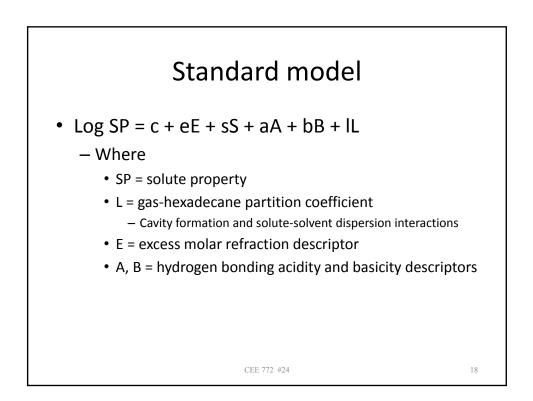


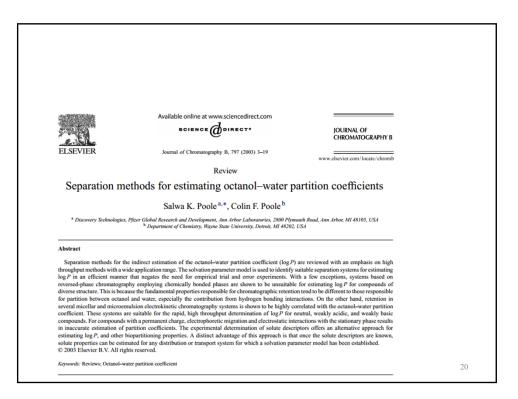
stationary Phase	Benz	Alc					Probes* Temp. Limits					
Soualane		2.836	Ket	N-Pr	Pyrid	Lower	Upper	Sum of $\Delta I$				
	0	0	0	0	0	20	125	0				
Apolane 87®	21	10	3	12	25	20	260					
OV-18	16	55	44	65	42	100	375					
OV-101®	17	57	45	67	43	20	375					
Dexsil 300 <sup>®</sup>	41	83	117	154	126	50	450					
OV-17*	119	158	162	243	202	20	375	884				
Fricresylphosphate	176	321	250	374	299	20	125	004				
QF-1	144	233	355	463	305	0	250					
OV-202 <sup>®</sup> and OV-210 <sup>®</sup>	146	238	358	468	310	0	275					
OV-225®	228	369	338	492	386	20	300					
Carbowax 20M®	322	536	368	572	510	60	225					
DEGS	492	733	581	833	791	20	200					
OV-275®	629	872	763	1106	849	20	275	4219				

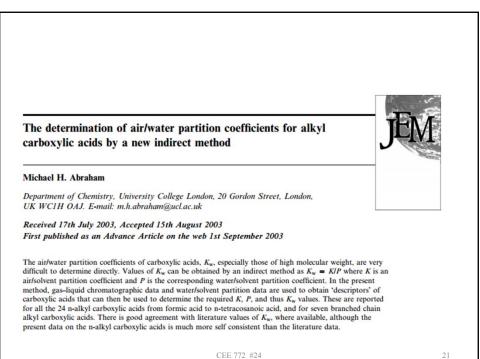
basicity and	refraction, $\pi_2^{\text{H}}$ = dipolarity/ log L <sup>16</sup> partition coefficient	on hexadecane	at 25°C.	en-bond acidi	ty, $\Sigma \beta_2^H = hye$	drogen-bond
Symbol	Solute	Solute des R <sub>2</sub>	scriptors $\pi_2^H$	$\Sigma \alpha_2^{\rm H}$	$\Sigma \beta_2^H$	$\log L^{16}$
x'	Benzene	0.610	0.52	0	0.14	2.786
A Y'	1-Butanol	0.010	0.32	0.37	0.48	2.601
dh i	(Ethanol)	0.224	0.42	0.07	0.40	
Z'	2-Pentanone	0.143	0.68	0	0.51	2.143
สีเฉ	(2-Butanone)		2.00			
U′	1-Nitropropane (Nitromethane)	0.242	0.95	0	0.27	2.894
S'	Pyridine	0.631	0.84	0	0.52	3.022
H'	2-Methyl-2-pentanol	0.180	0.30	0.31	0.60	1.963
J'	Iodobutane	0.628	0.40	0	0.15	3.628
K'	2-Octyne	0.225	0.30	0	0.10	3.850
L'	Dioxane	0.329	0.75	0	0.64	2.892
M'	cis-Hydrindane	0.439	0.25	0	0	4.635

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Department of Chemistry, Wayne State Univ	A B S T R A C T
ARTICLE INFO	ABSIKACI
A R T I C L E I N F O Article history: Available online 27 May 2013	This article provides an overview of chromatographic methods as surrogate models for environmental processes and for the determination of descriptors for compounds of environmental interest. To solvation parameter model is the link to the identification of suitable chromatographic models for t

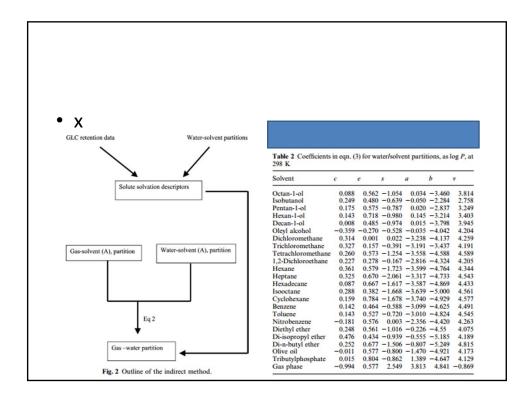


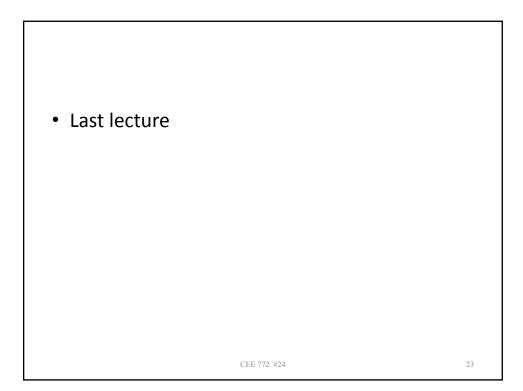
Temperature (°C)	System constants							
	e	S	а	b	1			
60	0.092	0.091	0.062	0	0.786			
80	0.118	0.083	0	0	0.710			
00	0.135	0.078	0	0	0.648			
20	0.154	0.069	0	0	0.580			
40	0.168	0.063	0	0	0.544			
60	0.176	0.055	0	0	0.431			
80	0.185	0.054	0	0	0.389			
00	0.190	0.047	0	0	0.350			
20	0.190	0.047	0	0	0.325			
40	0.198	0.044	0	0	0.289			
60	0.200	0.043	0	0	0.263			

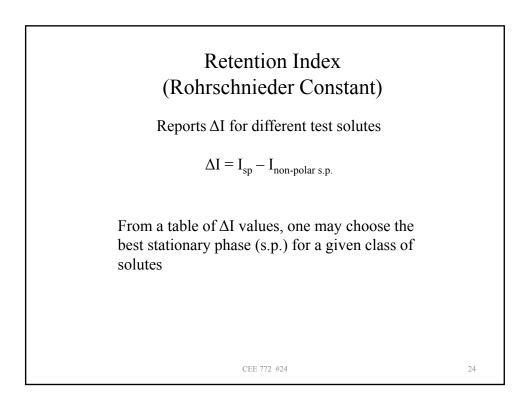


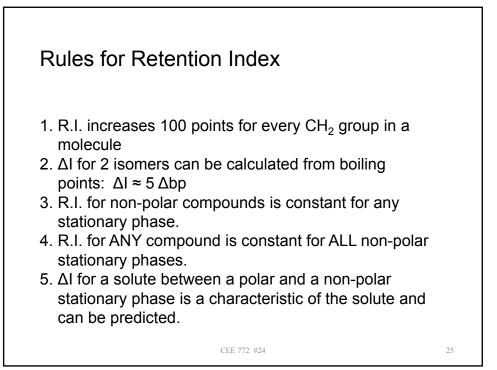


CEE 772 #24









.ubeck* and D. L. Sutton								
	and D. L. Sutton company, Denver Research Center, P. O. Box 269, Littleton, Colorado 80160, USA							
Description of fused si	ilica co	lumne te	eted					
	A	B	C	D	E	_		
Source <sup>a)</sup>	J&W	H-P	J & W	J&W	J & W	_		
Туре <sup>b)</sup>	DB-1	PONA	DB-1	DB-5	DB-5			
Film thickness [µm] .		0.5						
Column ID [mm] Column length [m]		0.21 50	0.200	0.252 60	0.259 60			
			60	60	00			