

Table 3 Correlation coefficients of feed components in the groups C3 and C4.

	propylene	propane	i-butane	n-butane	t-butene-2
propane	0,967				
i-butane	0,096	0,106			
n-butane	0,067	0,155	0,803		
t-butene-2	-0,006	0,036	0,703	0,817	
c-butene-2	0,040	0,087	0,662	0,782	0,833

Table 4 Comparison of model parameters.

Model parameter	Model 1 (based on industrial data): $\mathbf{b}_{\text{ind}}$	Model 1: $ t_{\text{ind}} $ t-statistic	Model 2 (based on rigorous simulation data): $\mathbf{b}_{\text{rig}}$
$b_1$	-3.21	2.69	-0.06
$b_2$	5.66	6.44	2.63
$b_3$	-0.75	12.60	-0.97
$b_4$	-0.30	2.23	-3.82
$b_5$	-0.95	5.88	-1.02
$b_6$	1.03	15.77	1.53
$b_0$ (bias)	26.30	3.33	47.6