## Erratum

"Analytical Performance Models for Closed-Loop Flexible Assembly Systems" by M. Kamath, R. Suri, and J. L. Sanders

This note is to correct three typographical mistakes in the above paper.

On page 64, the formulas for  $EW_i$  were published as

$$EW_{i} = g(\rho_{i}, c_{di-1}^{2}, c_{si}^{2}) \left(\frac{c_{di-1}^{2} + c_{si}^{2}}{2}\right) \left(\frac{c_{i}\rho_{i}}{1 - \rho_{i}}\right), i = 2, 3, ... M$$

$$EW_{1} = g(\rho_{1}, c_{dM}^{2}, c_{si}^{2}) \left(\frac{c_{dM}^{2} + c_{si}^{2}}{2}\right) \left(\frac{c_{1}\rho_{1}}{1 - \rho_{i}}\right)$$

These should be, instead,

$$EW_{i} = g(\rho_{i}, c_{di-1}^{2}, c_{si}^{2}) \left(\frac{c_{di-1}^{2} + c_{si}^{2}}{2}\right) \left(\frac{\tau_{i}\rho_{i}}{1 - \rho_{i}}\right), i = 2, 3, ... M$$

$$EW_{1} = g(\rho_{1}, c_{dM}^{2}, c_{sl}^{2}) \left(\frac{c_{dM}^{2} + c_{sl}^{2}}{2}\right) \left(\frac{\tau_{1}\rho_{1}}{1 - \rho_{i}}\right)$$

On page 78, the title of Table 10 reads

Balanced CL-FAS examples with uniformly distributed clear times.

Instead, this title should read

Unbalanced CL-FAS examples with uniformly distributed clear times.

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Table	

						Analytic estimates	stimates				
				Simulation estimates	estimates	No corrections	ions		Using Modified EW	ified <i>EW</i>	
CL-FAS example	Percent Numbordefective pallets	CL-FAS Percent Number of example defective pallets	Squared coefficient of variation of service times	Station utilization	Throughput Station rate utilizati	Station utilization	Percent Throughput error in rate through	Percent error in throughput	Station utilization	Percent Throughput error in rate through	Percent error in throughput
6-station 0.5	0.5	9	0.2081	0.882	0.1432	0.726	0.1175	-17.95	0.747	0.1209	-15.57
	0.5	12	0.2081	0.924	0.1500	92876	0.1418	- 5.47	0.892	0.1444	- 3.73
	3.0	9	0.9319	0.637	0.0903	0.509	0.0719	-20.38	0.554	0.0782	-13.40
	3.0	12	0.9319	0.753 0.753 ±0.009	0.1068 +0.0001	0.677	0.0957	-10.39	0.715	0.1010	- 5.43
4-station 0.5	0.5	4	0.2081	0.920	0.1490	0.726	0.1175	-21.14	0.759	0.1228	-17.58
	0.5	∞	0.2081	0.941	0.1525	92876	0.1418	- 7.02	0.901	0.1457	- 4.46
	3.0	4	0.9319	0.715	-0.0018 +0.0018	0.509	0.0719	-28.81	0.579	0.0818	-19.00
	3.0	<b>∞</b>	0.9319	0.792 ±0.011	0.1119 ±0.0018	0.677	0.0957	-14.48	0.736	0.1040	- 7.06

Maximum clear time = 66

Minimum clear time = 6