

## CORRECTION

MATIS, T. I. AND FELDMAN, R. M. (2001). Transient analysis of state-dependent queueing networks via cumulant functions. *J. Appl. Prob.* **38**, 841–859.

The partial differential operator  $\mathcal{D}_f(G)$  given in equation (6) of the above paper should be correctly defined as

$$\mathcal{D}_f(G) = f\left(\frac{\partial}{\partial\theta_1}, \dots, \frac{\partial}{\partial\theta_n}\right)G = \sum_i d_i \frac{\partial^{\sum_{j \in S(i)} (i)_j} G}{\prod_{j \in S(i)} \partial\theta_j^{(i)_j}}.$$

This operator, applied to the subsequent example, should yield the following corrected expression for equation (7):

$$f\left(\frac{\partial}{\partial\theta_1}, \frac{\partial}{\partial\theta_2}\right)G = \lambda_1 \frac{\partial^3 G}{\partial\theta_1 \partial\theta_2^2} + \lambda_2 \frac{\partial^3 G}{\partial\theta_2^3}.$$

The partial differential equations defined in the remaining examples should be modified according to the properly defined operator above.