

## ERRATUM

## Erratum to: Numerical Equilibrium Analysis for Structured Consumer Resource Models

A. M. de Roos<sup>1</sup> · O. Diekmann<sup>2</sup> · P. Getto<sup>3</sup> · M. A. Kirkilionis<sup>4</sup>

Published online: 16 February 2016 © Society for Mathematical Biology 2016

Erratum to: Bull Math Biol (2010) 72:259–297 DOI 10.1007/s11538-009-9445-3

The formula for  $D_3x$  given below equation (A9) is wrong for discontinuous g, and equation (A8) is also wrong. An easy way to see this is that for large  $\tau$  values it does not provide a solution for (A3) (with adapted initial condition) as it should. As a result, the expressions for  $D_2X$ , the derivatives for the survival probability and the  $\Psi^i$  appearing in the characteristic matrix also need correction. Our implementations have been for continuous g and all graphs presented are correct. The mistake is related to a mistake in Diekmann et al. (2010) that appeared around the same time. For the correct formula we refer to a recently submitted corrigendum of Diekmann et al. (2010) as well as to Breda et al. (2015). The latter also contains a derivation of the correct formula.

The online version of the original article can be found under doi:10.1007/s11538-009-9445-3.

Department of Mathematics, University of Warwick, CV4 7AL Coventry, UK



Institute for Biodiversity and Ecosystem Dynamics (IBED), University of Amsterdam, P.O. Box 94084, 1090 GB Amsterdam, The Netherlands

Department of Mathematics, University of Utrecht, P.O. Box 80010, 3508 TA Utrecht, The Netherlands

<sup>&</sup>lt;sup>3</sup> Bolyai Institute, University of Szeged, Aradi vertanuk tere 1, 6720 Szeged, Hungary

## References

Breda D, Getto P, Sanchez Sanz J, Vermiglio R (2015) Computing the eigenvalues of realistic Daphnia models by pseudospectral methods. SIAM J Sci Comput 37(6):A2607–A2629

Diekmann O, Gyllenberg M, (=Hans) Metz JAJ, Nakaoka S, de Roos AM (2010) Daphnia revisited: local stability and bifurcation theory for physiologically structured population models explained by way of an example. J Math Biol 61:277–318. doi:10.1007/s00285-009-0299-y

