

Nicholas F. Britton

DEPT OF MATH SCIENCES & CENTRE FOR MATH BIOLOGY, UNIV OF BATH, UK
e-mail: n.f.britton@bath.ac.uk

Interspecific kleptoparasitism

Although interspecific kleptoparasitism is widespread, theoretical models have focussed on the intraspecific case. We develop a game-theoretic model of interspecific kleptoparasitism, ultimately based on Ruxton and Moody [1], considering optimal host and parasite strategies. We explore the possibility that, on an ecological time scale, the system does not settle to a steady state but to oscillatory behaviour in strategy space.

REFERENCES

- [1] G D Ruxton and A L Moody, *The ideal free distribution with kleptoparasitism*, Journal of Theoretical Biology **186**, 449–458, 1997.