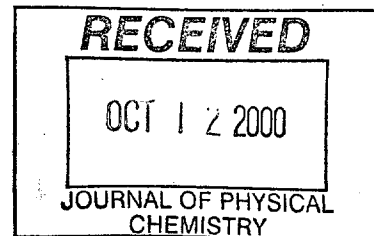


SUPPLEMENTARY MATERIAL

A3
IN FINAL FORM

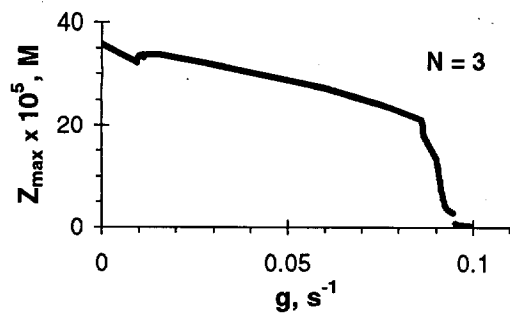


Supporting Information

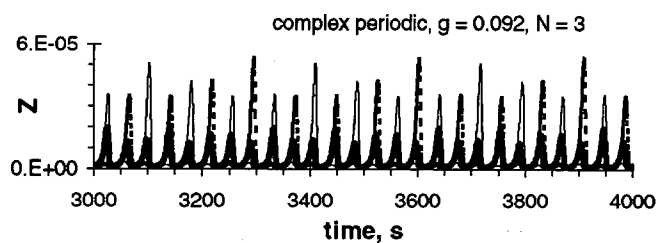
Figure S-1. Behavior of N identical Oregonators globally coupled by negative feedback (equations O1-O3 in the text). (a) Dependence of maximum value of Z , $Z_{\max}$, on feedback coefficient g and examples of characteristic kinetic curves of individual oscillators for (b) $N = 3$ (complex periodic regime) and (c) $N = 2$ (out-of-phase regime).

Figure S-2. (a) Bifurcation diagram for $N = 4$ showing dependence of period of oscillations T on feedback coefficient g ; S-1 and S-2 are splitting-1 and splitting-2 regimes, respectively. (b-e) Characteristic kinetic curves of individual oscillators for different regimes of oscillations for $N = 4$. In panel (b), each curve shows two in-phase oscillators. (c) Bold curve shows three in-phase oscillators. (e) Bold curve shows two in-phase oscillators.

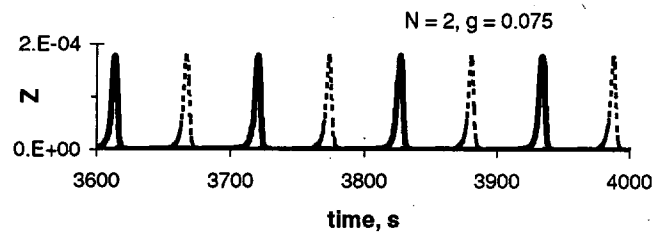
Figure S-3. Characteristic kinetic curves for $N = 4$. In panel (b), thin line shows Z_{av} . In panels (c) and (e), bold line represents two in-phase oscillators with small amplitude. (d) Complex 4-phase periodic regime.



a



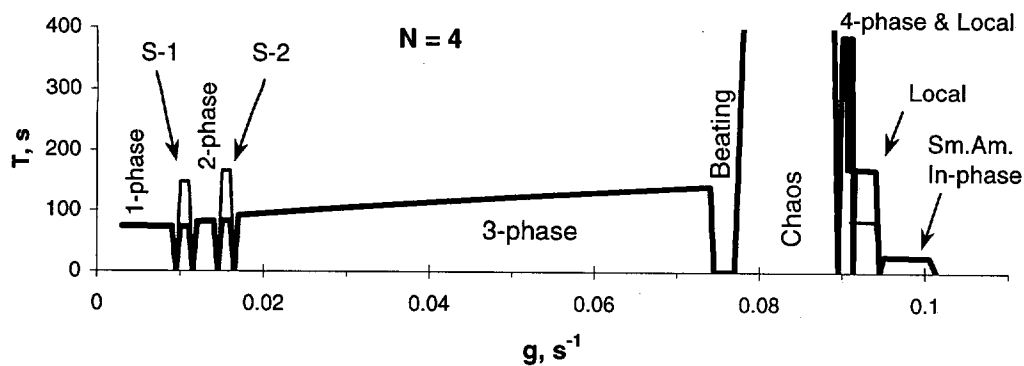
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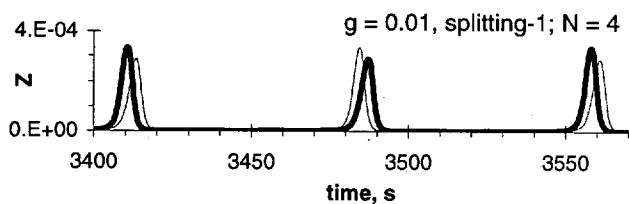
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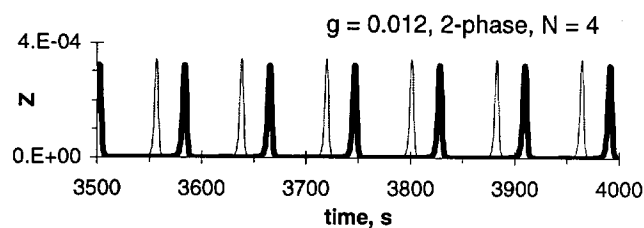
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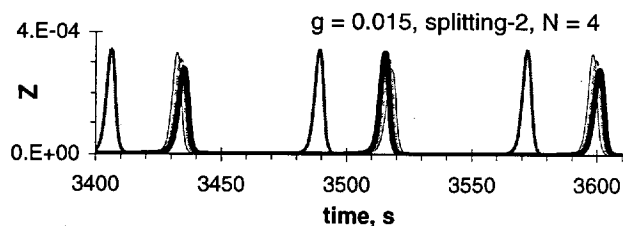
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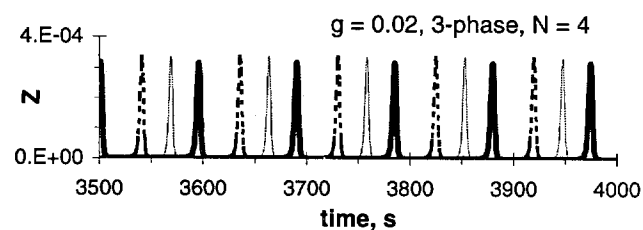
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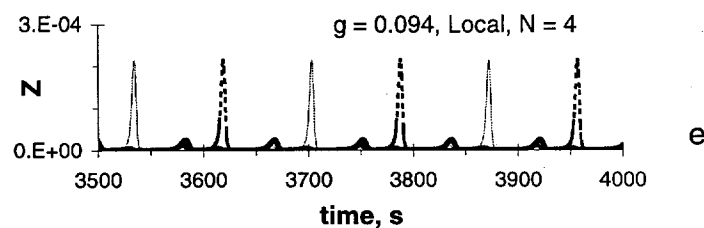
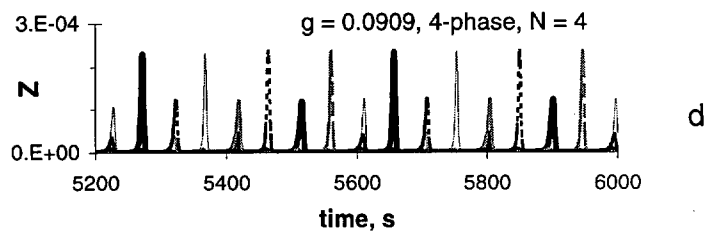
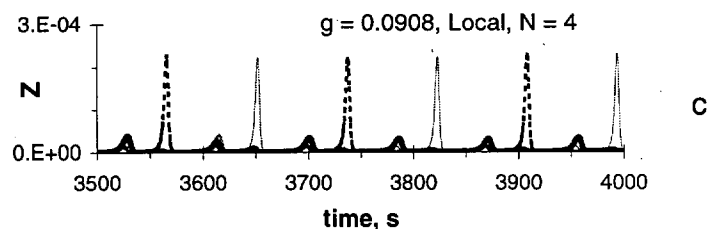
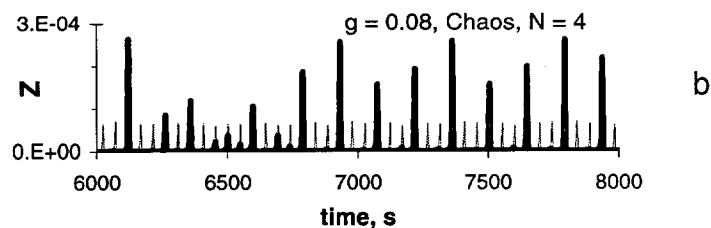
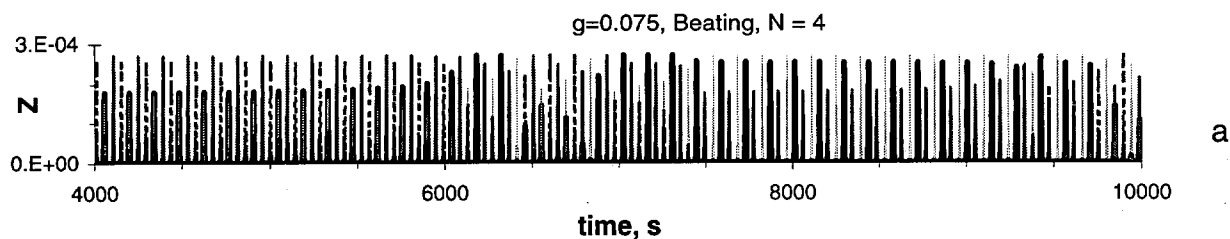
d



e

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Support - 3

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