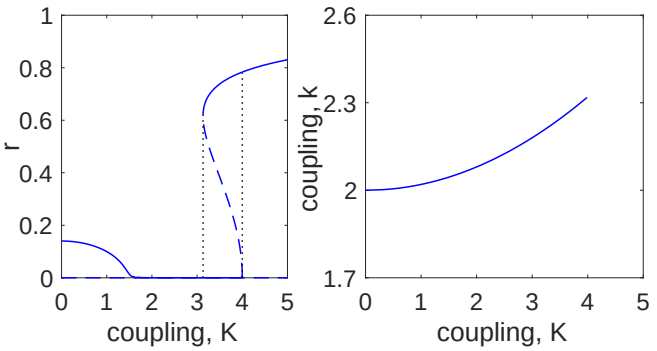
Competitive suppression of synchronization and nonmonotonic transitions in oscillator communities with distributed time delay

. ,*, ,*,
S S
D A M , C , B , C , 80309, A
D M , C , H , C , 06106, A

community 1 community 2


r
coupling, K
coupling, k
coupling, K

, , . ( )

w . ,

(+)$\overline{w}$ ( ) = ¯ ( ), ( )

w = − w . (0)

.

APPENDIX B: NUMERICAL VALIDATION OF THE LOW-DIMENSIONAL EQUATIONS

, -

.

,

. . ,

,

.

- ,

.

θ = ω + □ − θ □ + K □ ρ ′ □ ′ − θ □,

′≠

( )

w = (− w)/ , ( )

= , w = ρ , -

.

′, w ′,

′. ( ), ( ), ( )

,

, . ., , .

( ) = α , ( ) = α . ( ) ( )

, ,

□ □ □ □

$K = \kappa + \frac{}{-\kappa}$, $\omega =$

S SS S S S 1,0 0 (0)