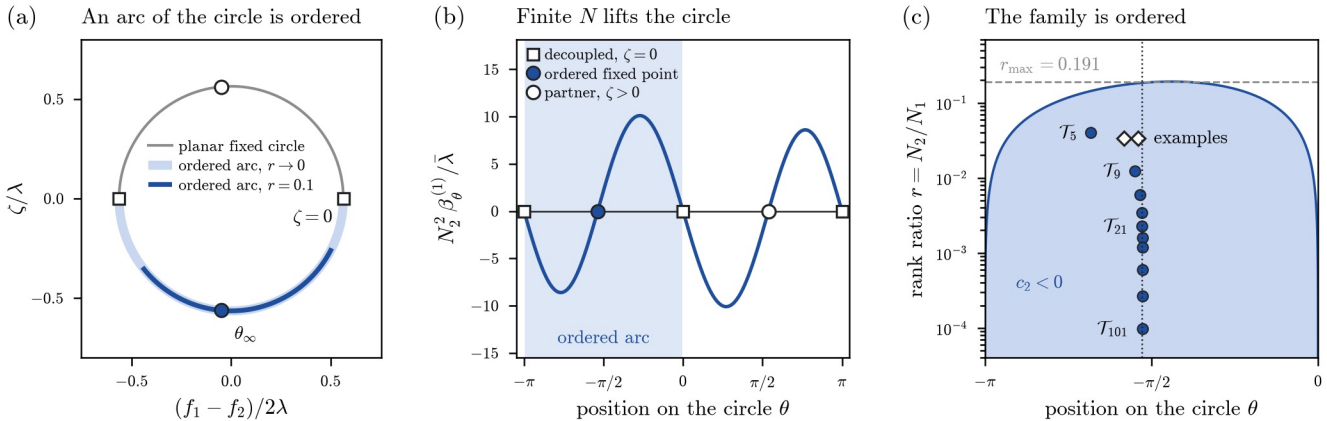
(a)
An arc of the circle is ordered
planar fixed circle
ordered arc, $r \to 0$
ordered arc, $r = 0.1$
$\zeta = 0$
θ_∞
ζ/λ
$(f_1 - f_2)/2\lambda$
(b)
Finite N lifts the circle
decoupled, $\zeta = 0$
ordered fixed point
partner, $\zeta > 0$
ordered arc
$N_2^2 \beta_\theta^{(1)}/\bar{\lambda}$
position on the circle θ
(c)
The family is ordered
$r_{\max} = 0.191$
$\mathcal{T}_5$
examples
$\mathcal{T}_9$
$\mathcal{T}_{21}$
$\mathcal{T}_{101}$
$c_2 < 0$
rank ratio $r = N_2/N_1$
position on the circle θ