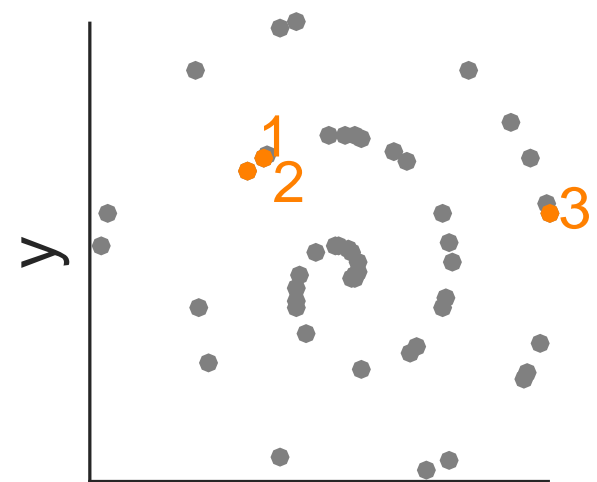
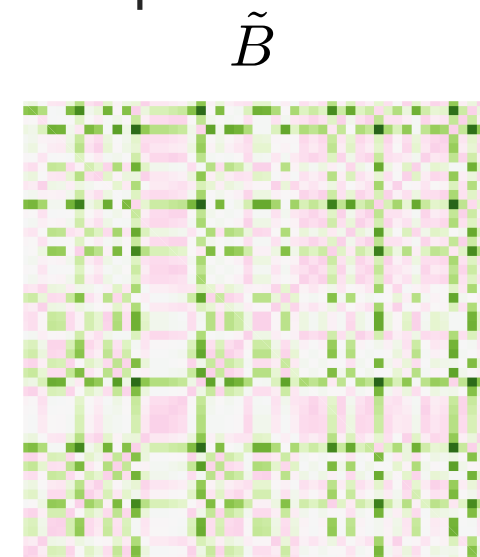
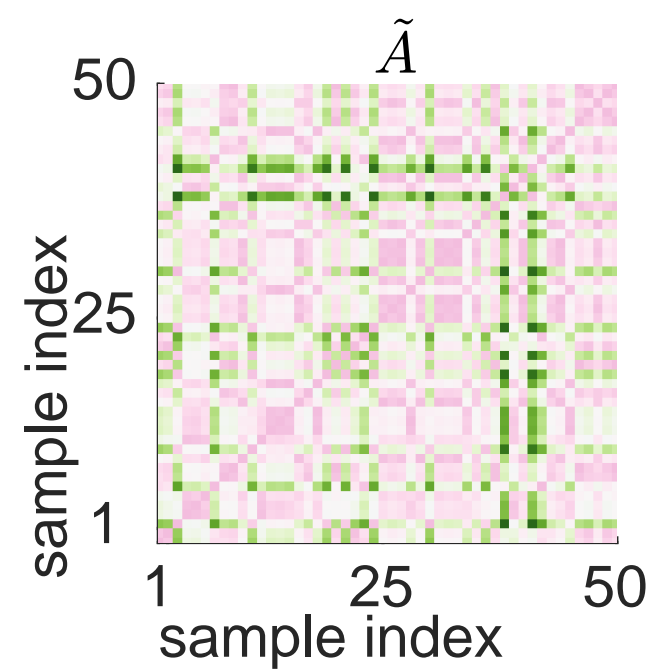


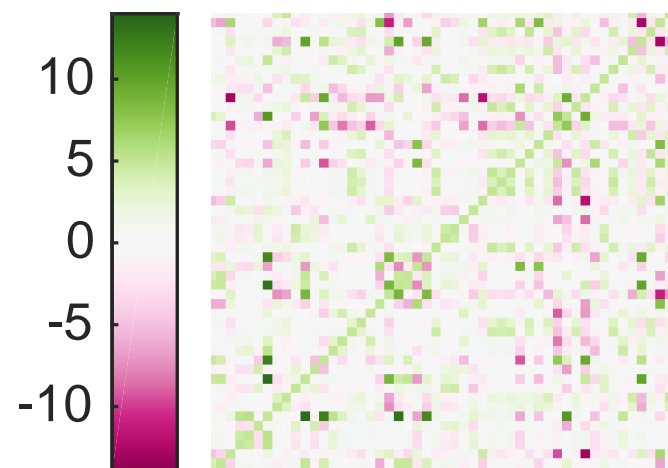
## 0. Sample Data



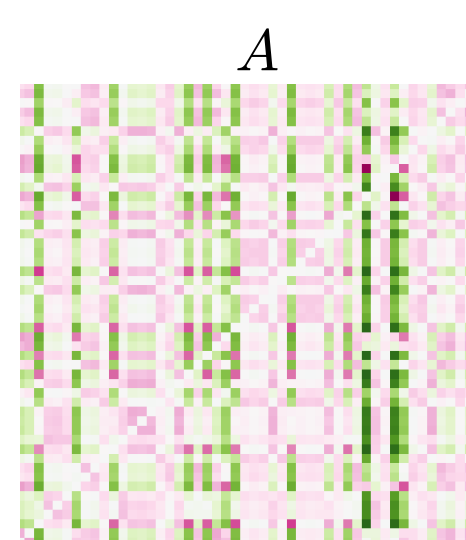
## 1. Mantel (pairwise distances)



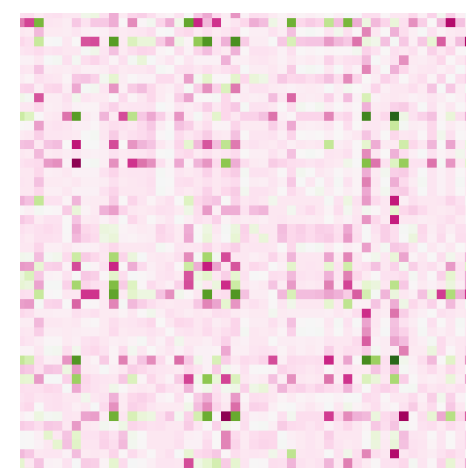
$$\tilde{C} = \tilde{A} \circ \tilde{B}$$



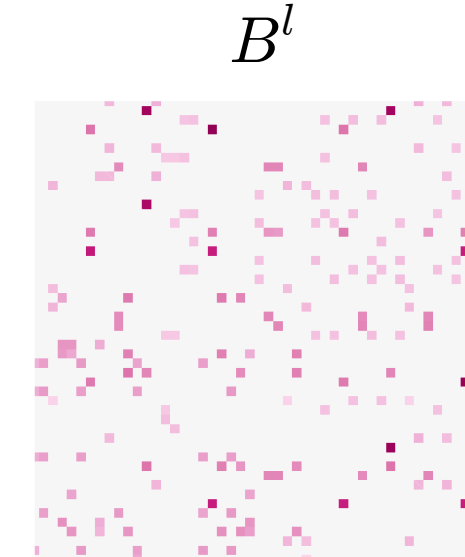
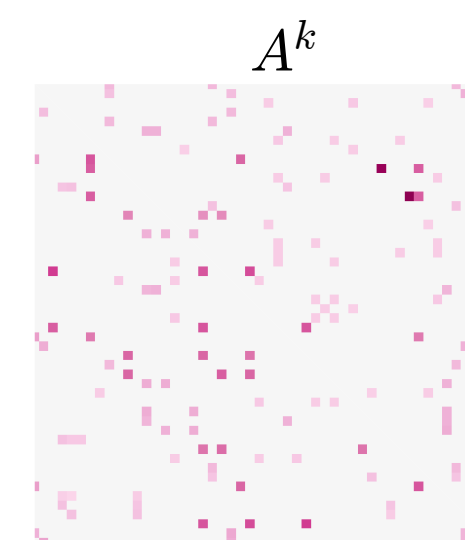
## 2. Mcorr (single center)



$$C = A \circ B$$



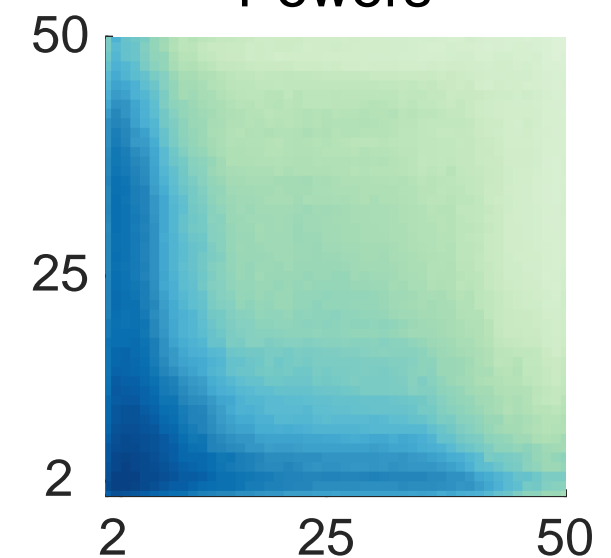
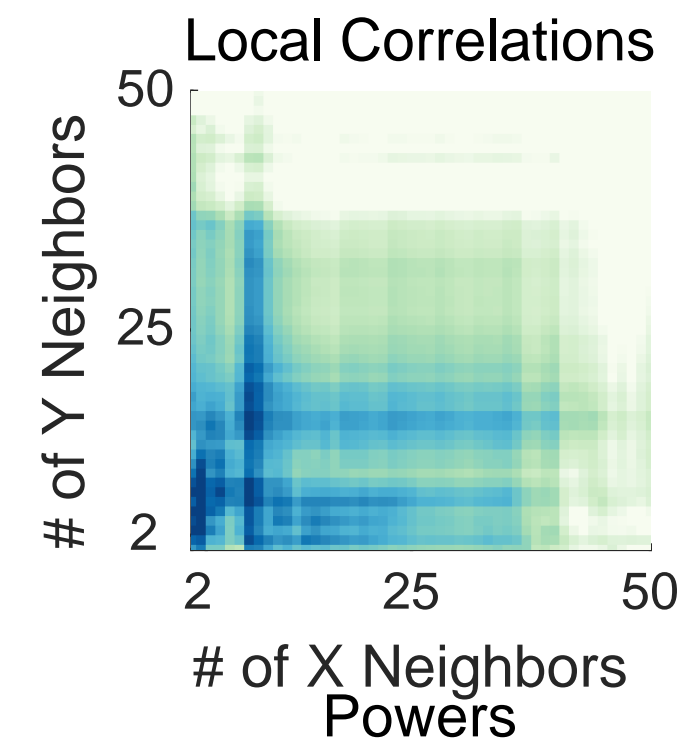
## 3. MGC<sup>k,l</sup> (local scales)



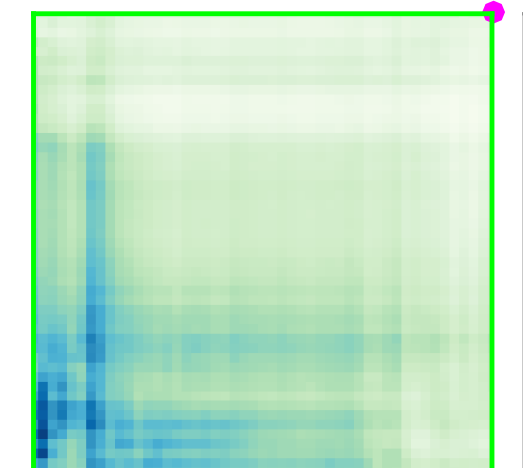
$$C^{kl} = A^k \circ B^l$$



## 4. Multiscale Maps



## P-Values



## 5. Test using X Optimal Scales

