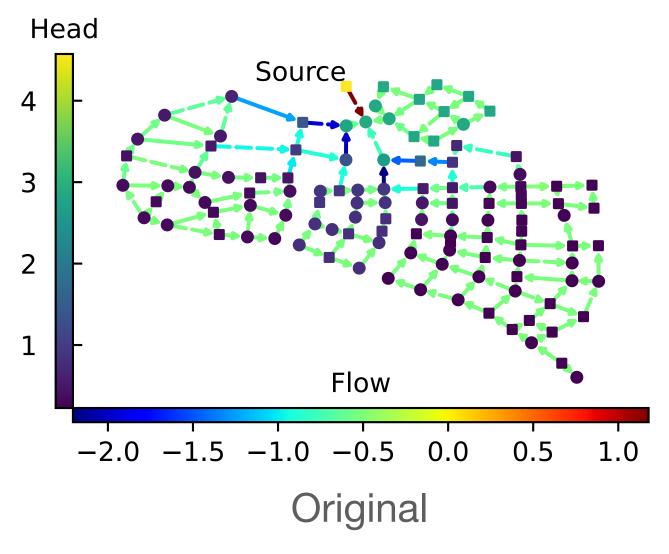
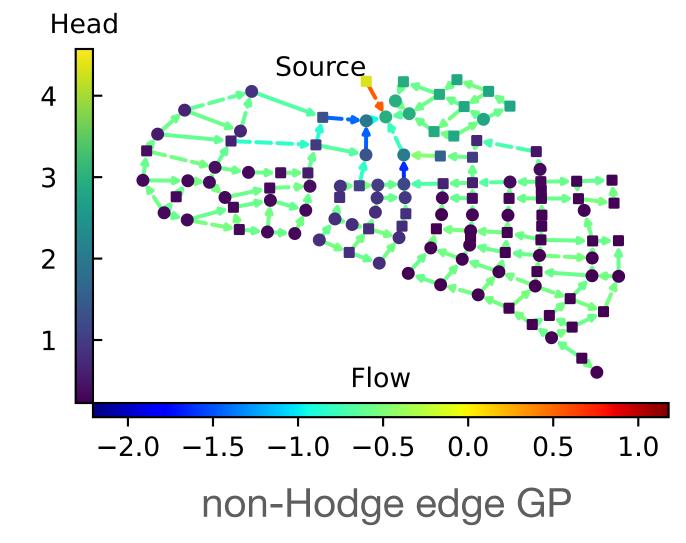
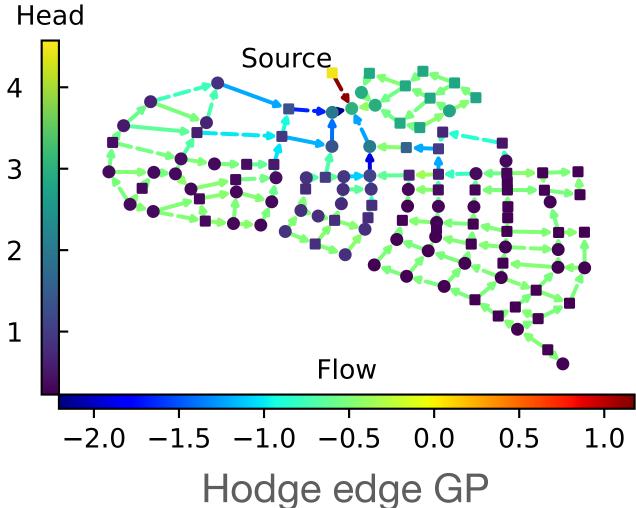
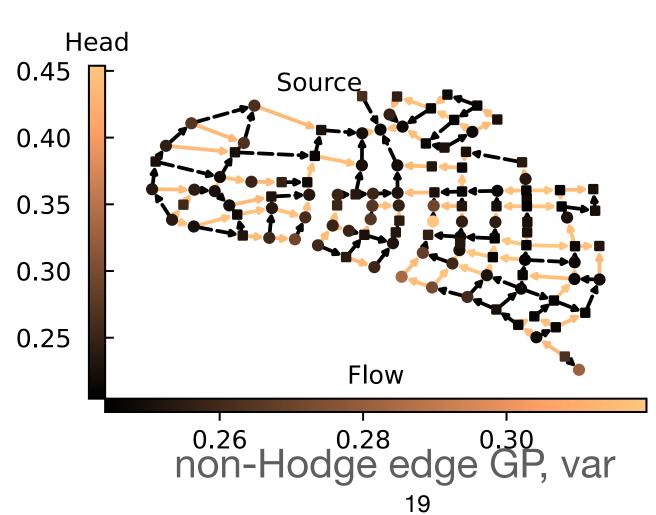
State estimation in water supply networks

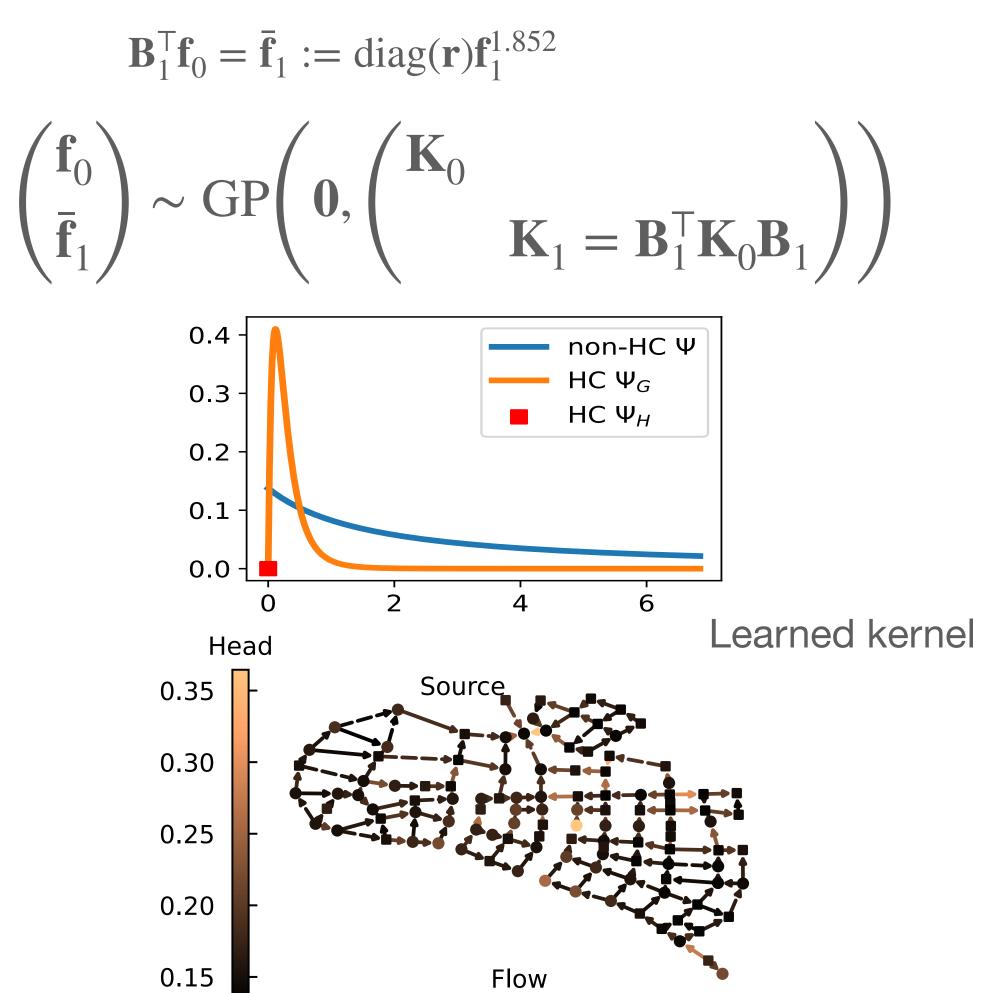
Based on the node-edge joint GPs











0.14 0.16

0.18 0.20 0.22

Hodge edge GP, var

Conclusion

- How to generalize GPs to non-Euclidean domains? SDE framework
- What is a good edge GP? Edge dependency + Hodge decomposition
- Node-edge-triangle joint GPs Alain et al. 2023
- Continuous version: Euclidean VF Berlinghieri et al. 2023; Manifold VF Robert-Nicoud et al. 2024

Thank you!



