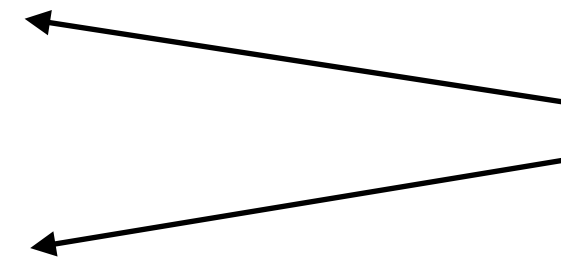


Modern techniques

- Gaussian processes
- Emulator networks
- Autoregressive flows



- NN-based methods are natural pairing as one can (in principle) draw as much training data as needed
- **Active Learning**

Active learning

- Different strategies for selecting parameter values where to query the simulator
 - Reduce the number queries required to produce reasonable approximations to posterior/likelihood
- Usually based on optimization
 - Parameters that decrease most the uncertainty about the posterior
 - Parameters that produce minimum discrepancies