Network Kriging

· End-to-End monitoring

· Let P be the set of all paths

Want to consider y= Gx but only have access to some pathsolice to complexity.

Rmk: Only new O(Ne) to exactly recor y.

Q: Approximation error and statistical error when sampling less than O(Ne)

Path redundany: kry him. Measure that using SVD of G.

Partial Characterization

2(B)= 212...2 Jue

$$\frac{\lambda k}{\lambda 1} \leq \frac{b_{k} k}{b_{11}} dim (6)$$

- · Betweenus controlly Controls decay
- · Lots of optimal linear prediction stuff.

Path sclution

- . Minimise MSPE (atys)
- · Subset sciution problem NP complete
- . Choose k paths such that they span the first k singles directions