

# Disturbance propagation in power grid

## Literature

### **Inertia location and slow network modes determine disturbance propagation in large-scale power grids**

Laurent Pagnier, Philippe Jacquod

PloS one 14.3 (2019)

### **Propagation of wind-power-induced fluctuations in power grids**

Hauke Haehne, Katrin Schmietendorf, Samyak Tamrakar, et al

Phys. Rev. E 99, 050301(R)

### **Bounds and Estimates for the Response to Correlated Fluctuations in Asymmetric Complex Networks**

Anton Plietzsch, Sabine Auer, Jürgen Kurths, Frank Hellmann

arXiv:1903.09585

Any other papers addressing the similar topic can be used/presented.

### **The following concepts should be explained:**

- Select one of the suggested papers or find similar papers addressing the disturbance propagation in power grid.
- Do the similar simulations for synthetic networks (for example WS)