Distortion Monitoring and Waveform Data Pre-Processing

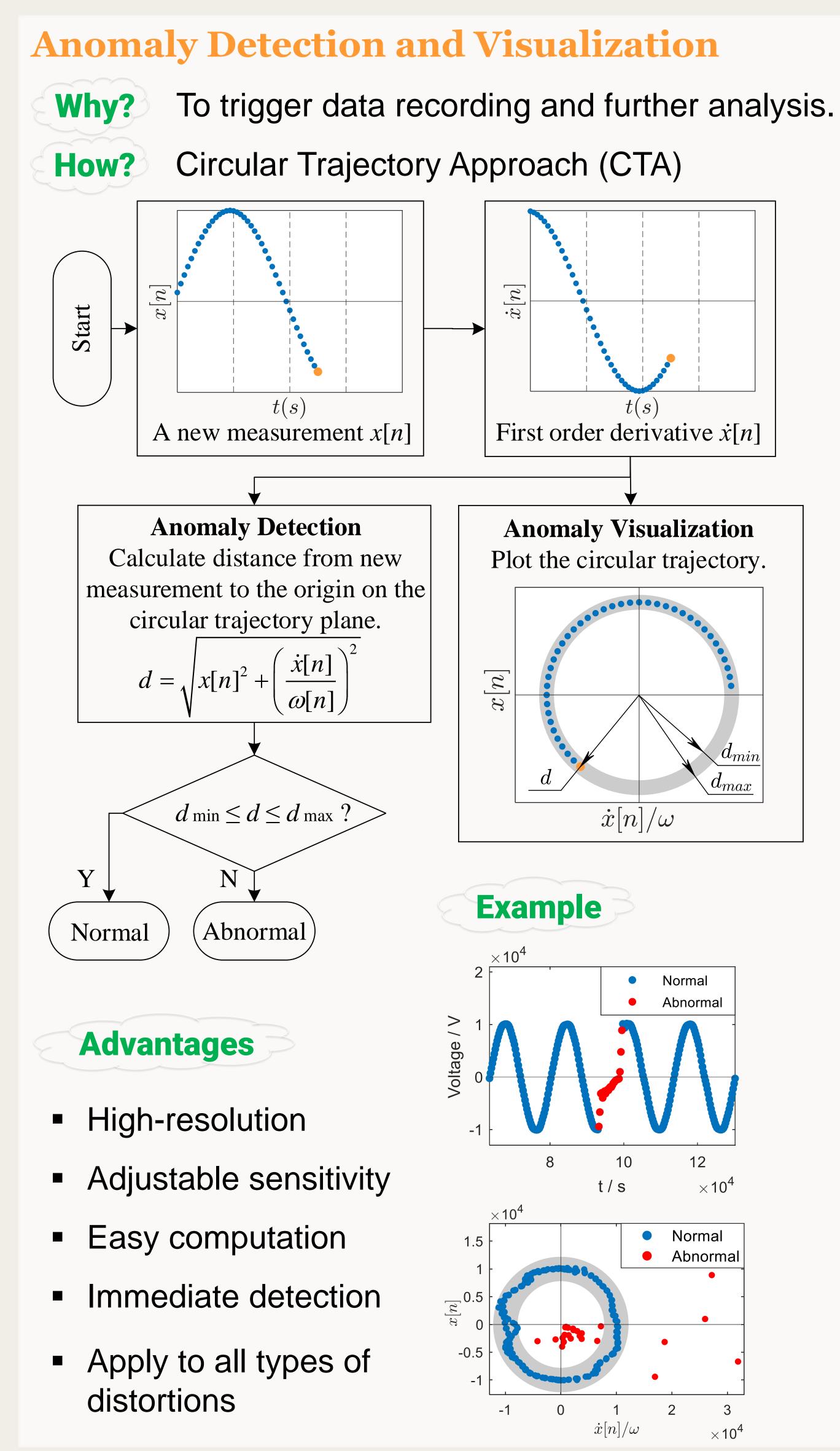


Haoyuan Sun, Fangxing Li The University of Tennessee, Knoxville

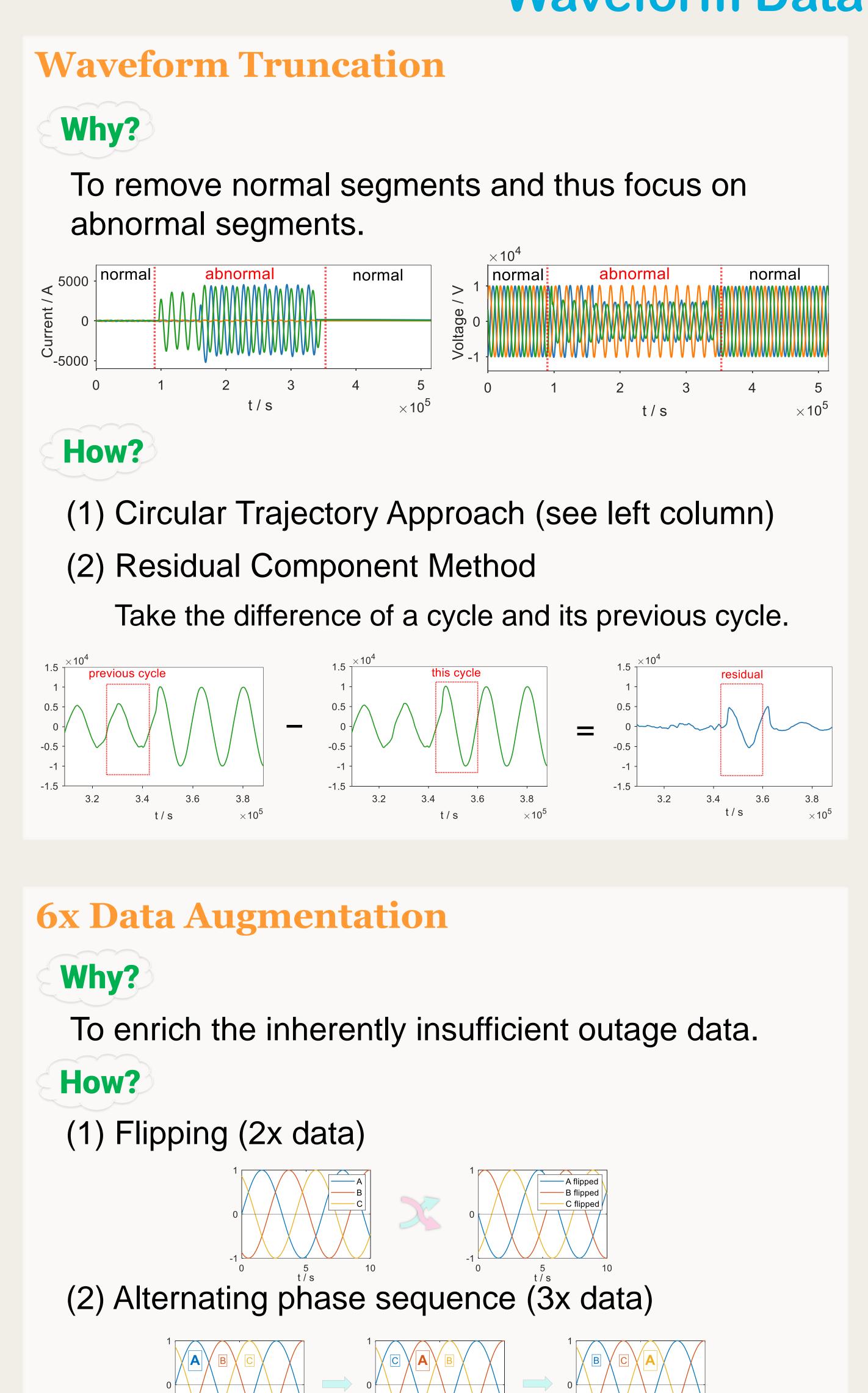


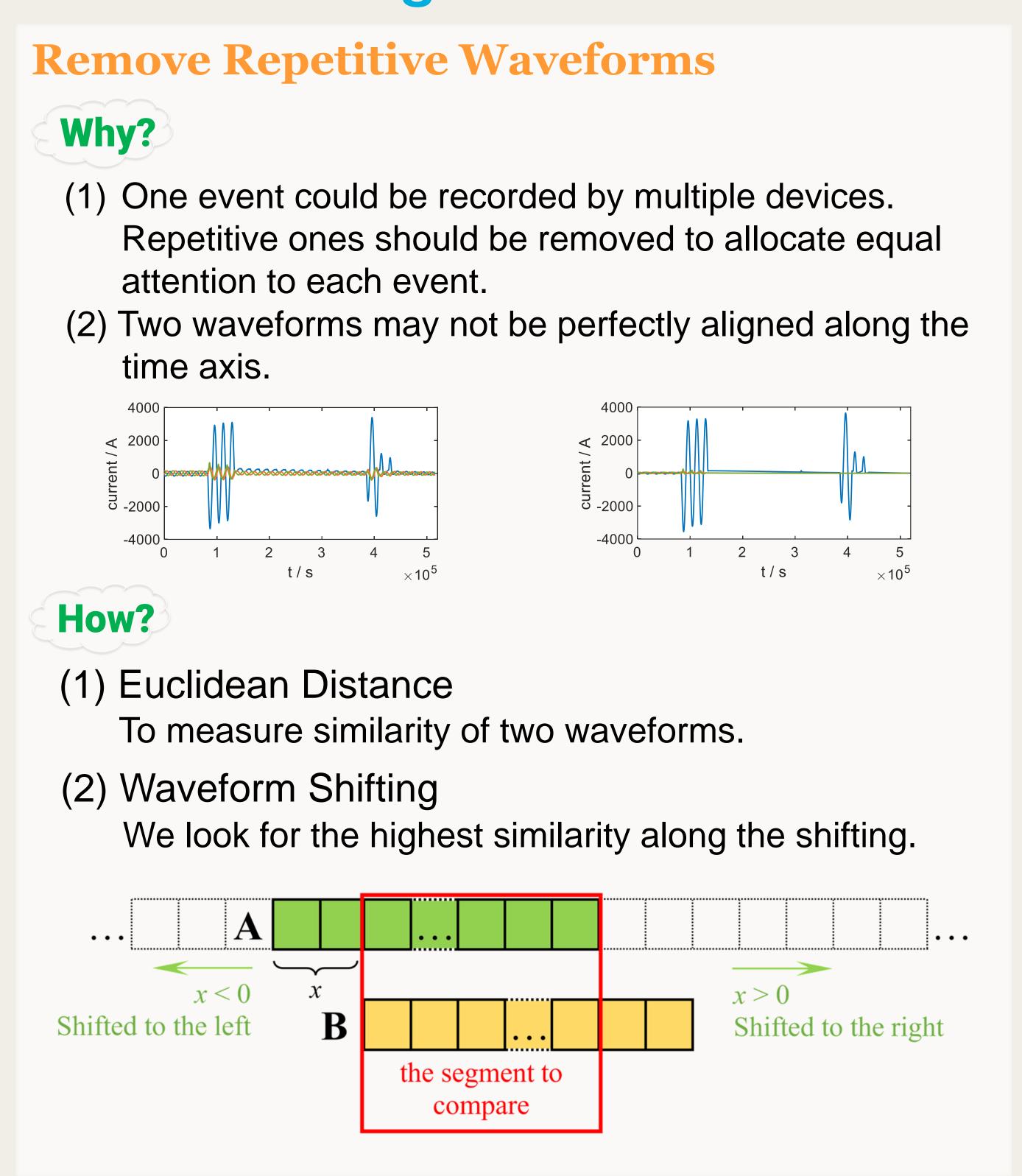
Christopher Sticht, Srijib Mukherjee
Power Systems Resilience Group, ORNL

Distortion Monitoring



Waveform Data Pre-Processing





Conclusion

- We first present a general solution for <u>sine wave</u> distortion monitoring and visualization — the Circular Trajectory Approach (CTA).
- We then provide three broadly applicable techniques for waveform data <u>pre-processing</u>. These techniques help <u>machine learning</u> algorithms to achieve <u>better efficiency</u> and <u>better</u> accuracy.







