عنوان مقاله:

A Non-Recursive PMU Simulator, Developed in MATLAB

محل انتشار:

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خلاصه مقاله:

a big step to improve power system monitoring and performance is wide area monitoring based on Synchrophasor. Phasor measurement units (PMU) are main part of Wide Area Measurement System (WAMS). Designing successful schemes will require well knowledge of PMUs and its behavior. In this paper, a non-recursive PMU is introduced and simulated in MATLAB according to IEEE standards. Recommended tests are conducted on proposed simulator. Developed simulator gives good vision of PMU performance which is necessary for designing WAMS schemes

کلمات کلیدی:

Wide Area Measurements, Protection and Control (WAMPAC), Phasor Measurements Unit (PMU), non-recursive phasor estimation, DFT, non-uniform sampling