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Kurtosis"; "2.7.3. Root Mean Square"; "2.7.4. The Rationale of Proposing a Novel Spectral RMS x Kurtosis for Effective Bearing Fault Detection"; "2.7.5. Spectral RMS x Kurtosis"; "2.8. The Evolution of Reassignment Wavelet Based Spectrum RMS X Kurtosis"; "Section 3. The Design of the Virtual Based Automatic Fault Detection System"; "3.1. Development of a Single Tasked Data Acquisition Program"; "3.2. Implementation of the Reassignment Wavelet Analysis"; "3.3. Screen Flow Design and Functionality"; "3.4. Time Domain Analysis"; "3.5. Data Storage and Extraction"; "3.6. The Layout of the Hardware Configuration"; "Section 4. Experiment on Laboratory Machinery Fault Simulator"; "4.1. The Bearing Fault Demonstrator"; "4.2. The Rolling Element Bearings"; "4.3. Artificially Induced Bearing Defects"; "4.4. A Comparison Study of Conventional Wavelet and Reassignment Wavelet"; "4.5. Bearing Fault Detection by Using RMS and Kurtosis"; "4.6. Detection of a Normal Condition Signal and Motor Signature"; "4.7. The Analysis of the Bearing Signal Collected from a Bearing with a Ball Defect"; "4.8. The Analysis of Bearing Signals Collected from Bearings with Outer Race and Inner Race Defects"; "4.9. Experimental Analysis with Computer Generated Noise Simulation"; "Section 5. Experiments on Industrial Machines";
