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Nota di contenuto	Intro -- Foreword -- Contents -- Innovation in Non-destructive Testing -- Informative Potential of Eddy Current Tomography -- 1 Introduction -- 2 Experiments and Results -- 3 Conclusion -- References -- Application of Elliptical Properties in Building a Tomographic Image of an Inspected Object Using Multi-Element Ultrasonic Sensor Data -- 1 Introduction -- 2 The Principle of Constructing an Image of the Tested Object -- 3 Application of Ellipse Properties in Processing, Storing and Transmitting Information of a Tested Object -- 4 Results of the Implementation of Ellipse Properties -- 5 Experiment -- 6 Conclusion -- References -- Gaussian Filtered Small-Angle Ultrasonic Computed Tomography Using Linear Arrays -- 1 Introduction -- 2 Experimental Results -- 3 Conclusions -- References -- Inspection of Transformer Mechanical Integrity Using Sweep Frequency Response Method -- 1 Introduction -- 2 Experimental Setup and Results -- 3 Model of the Transformer Ladder Network -- 4 Proposed Algorithm for Reference Ladder Network -- 5 Proposed Algorithm for Axial Deformation Detection -- 6 Case Study and Simulation -- 7 Conclusion -- References -- Detection of Damages in Electrically Dead Power Lines -- 1 Introduction -- 2 Results -- 3 Conclusion -- References -- Thermoelectric Quality Control of the Application of Heat-Conducting Compound -- 1 Introduction -- 2 Statement of Problem -- 3 Problem Solution -- 4 Experimental Results -- 5 Conclusion -- References -- Simulation

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