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Nondestructive Testing (II): E2374 – latest

E2374-16 Standard Guide for Acoustic Emission System Performance Verification

E2375-16 Standard Practice for Ultrasonic Testing of Wrought Products

E2422-17 Standard Digital Reference Images for Inspection of Aluminum Castings

E2445/E2445M-14 Standard Practice for Performance Evaluation and Long-Term Stability of Computed Radiography Systems

E2446-16 Standard Practice for Manufacturing Characterization of Computed Radiography Systems

E2478-11(2016) Standard Practice for Determining Damage-Based Design Stress for Glass Fiber Reinforced Plastic (GFRP) Materials Using Acoustic Emission

E2479-16 Standard Practice for Measuring the Ultrasonic Velocity in Polyethylene Tank Walls Using Lateral Longitudinal (LCR) Waves

E2491-13 Standard Guide for Evaluating Performance Characteristics of Phased-Array Ultrasonic Testing Instruments and Systems

E2533-17e1 Standard Guide for Nondestructive Testing of Polymer Matrix Composites Used in Aerospace Applications

E2534-15 Standard Practice for Process Compensated Resonance Testing Via Swept Sine Input for Metallic and Non-Metallic Parts

E2580-17 Standard Practice for Ultrasonic Testing of Flat Panel Composites and Sandwich Core Materials Used in Aerospace Applications

E2581-14 Standard Practice for Shearography of Polymer Matrix Composites and Sandwich Core Materials in Aerospace Applications

E2582-07(2014) Standard Practice for Infrared Flash Thermography of Composite Panels and Repair Patches Used in Aerospace Applications

E2597/E2597M-14 Standard Practice for Manufacturing Characterization of Digital Detector Arrays

E2598/E2598M-13 Standard Practice for Acoustic Emission Examination of Cast Iron Yankee and Steam Heated Paper Dryers

E2660-17 Standard Digital Reference Images for Investment Steel Castings for Aerospace Applications

E2661/E2661M-15 Standard Practice for Acoustic Emission Examination of Plate-like and Flat Panel Composite Structures Used in Aerospace Applications

E2662-15 Standard Practice for Radiographic Examination of Flat Panel Composites and Sandwich Core Materials Used in Aerospace Applications

E2663-14 Standard Practice for Digital Imaging and Communication in Nondestructive Evaluation (DICONDE) for Ultrasonic Test Methods

E2669-16e1 Standard Digital Reference Images for Titanium Castings

E2698-18 Standard Practice for Radiographic Examination Using Digital Detector Arrays

E2699-13 Standard Practice for Digital Imaging and Communication in Nondestructive Evaluation (DICONDE) for Digital Radiographic (DR) Test Methods

E2700-14 Standard Practice for Contact Ultrasonic Testing of Welds Using Phased Arrays

E2736-17 Standard Guide for Digital Detector Array Radiography

E2737-10(2018) Standard Practice for Digital Detector Array Performance Evaluation and Long-Term Stability

E2738-13e1 Standard Practice for Digital Imaging and Communication Nondestructive Evaluation (DICONDE) for Computed Radiography (CR) Test Methods

E2767-13 Standard Practice for Digital Imaging and Communication in Nondestructive Evaluation (DICONDE) for X-ray Computed Tomography (CT) Test Methods

E2775-16 Standard Practice for Guided Wave Testing of Above Ground Steel Pipework Using Piezoelectric Effect Transduction

E2861-16 Standard Test Method for Measurement of Beam Divergence and Alignment in Neutron Radiologic Beams

E2862-18 Standard Practice for Probability of Detection Analysis for Hit/Miss Data

E2863-17 Standard Practice for Acoustic Emission Examination of Welded Steel Sphere Pressure Vessels Using Thermal Pressurization

E2868-17 Standard Digital Reference Images for Steel Castings up to 2 in. (50.8 mm) in Thickness

E2869-17 Standard Digital Reference Images for Magnesium Castings

E2884-17 Standard Guide for Eddy Current Testing of Electrically Conducting Materials Using Conformable Sensor Arrays

E2903-18 Standard Test Method for Measurement of the Effective Focal Spot Size of Mini and Micro Focus X-ray Tubes

E2904-17 Standard Practice for Characterization and Verification of Phased Array Probes

E2905/E2905M-13 Standard Practice for Examination of Mill and Kiln Girth Gear Teeth—Electromagnetic Methods

E2906/E2906M-18 Standard Practice for Acoustic Pulse Reflectometry Examination of Tube Bundles

E2907/E2907M-13 Standard Practice for Examination of Paper Machine Rolls Using Acoustic Emission from Crack Face Rubbing

E2928/E2928M-17 Standard Practice for Examination of Drillstring Threads Using the Alternating Current Field Measurement Technique

E2929-18 Standard Practice for Guided Wave Testing of Above Ground Steel Piping with Magnetostrictive Transduction

E2930-13 Standard Practice for Pressure Decay Leak Test Method

E2934-14 Standard Practice for Digital Imaging and Communication in Nondestructive Evaluation (DICONDE) for Eddy Current (EC) Test Methods

E2971-16 Standard Test Method for Determination of Effective Boron-10 Areal Density in Aluminum Neutron Absorbers using Neutron Attenuation Measurements

E2973-15 Standard Digital Reference Images for Inspection of Aluminum and Magnesium Die Castings

E2981-15 Standard Guide for Nondestructive Testing of the Composite Overwraps in Filament Wound Pressure Vessels Used in Aerospace Applications

E2982-14 Standard Guide for Nondestructive Testing of Thin-Walled Metallic Liners in Filament-Wound Pressure Vessels Used in Aerospace Applications

E2983-14 Standard Guide for Application of Acoustic Emission for Structural Health Monitoring

E2984/E2984M-14 Standard Practice for Acoustic Emission Examination of High Pressure, Low Carbon, Forged Piping using Controlled Hydrostatic Pressurization

E2985/E2985M-14 Standard Practice for Determination of Metal Purity Based on Elastic Constant Measurements Derived from Resonant Ultrasound Spectroscopy

E3022-15 Standard Practice for Measurement of Emission Characteristics and Requirements for LED UV-A Lamps Used in Fluorescent Penetrant and Magnetic Particle Testing

E3023-15 Standard Practice for Probability of Detection Analysis for \hat{a} Versus a Data

E3024/E3024M-16 Standard Practice for Magnetic Particle Testing for General Industry

E3044/E3044M-16e1 Standard Practice for Ultrasonic Testing of Polyethylene Butt Fusion Joints

E3045-16 Standard Practice for Crack Detection Using Vibroacoustic Thermography

E3052-16 Standard Practice for Examination of Carbon Steel Welds Using Eddy Current Array

E3081-16 Standard Practice for Outlier Screening Using Process Compensated Resonance Testing via Swept Sine Input for Metallic and Non-Metallic Parts

E3100-17 Standard Guide for Acoustic Emission Examination of Concrete Structures

E3147-18 Standard Practice for Evaluating DICONDE Interoperability of Nondestructive Testing and Inspection Systems