

**MAGNETIC LEAKAGE FIELD CAUSED BY MECHANICAL STRESS IN
FERROMAGNETIC MATERIAL**

Wei-Chang Zhong

Senior Engineer, Nanjing Gas Turbine Research Institute

From the experimental results recently made in China and formerly made in foreign countries, it is known that there is no monotropic function between the magnetic leakage field caused by the mechanical stress. Therefore, the conclusion could be reached that there is no probability to measure uniquely the property and the quantity of the mechanical stress in ferromagnetic materials by means of metal magnetic memory testing and diagnostic technique now.