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Measurement and Analysis of Localized Magnetic Flux Distributionin Grain Oriented Electrical Steel Sheet Using Stylus Probe Method

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Komatsubara (and analyzed by a newly developed estiructive apparatus using a method. The accuracy of the local flux measurement was assured by optim load and yoke configuration. The automated and integrated measuring system rapid mapping of the magnetic flux density distribution in a sheet. The flux was found to be non-uniform in the grain-oriented electrical steel non-uniformity was attributed to the effect of magnetostatic energy, occurred boundaries due to a grain-to-grain difference in an angle between [001] of the grain boundary direction.

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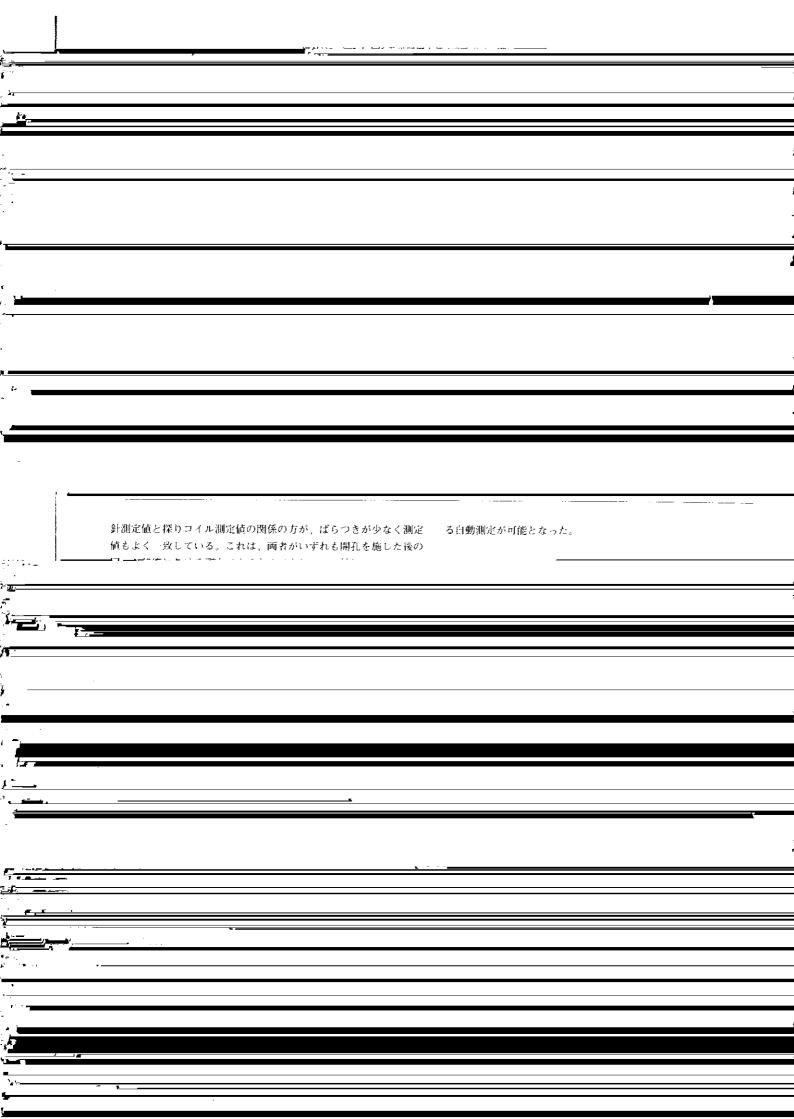
探針法による方向性電磁鋼板内部の 磁束分布の測定および解析*

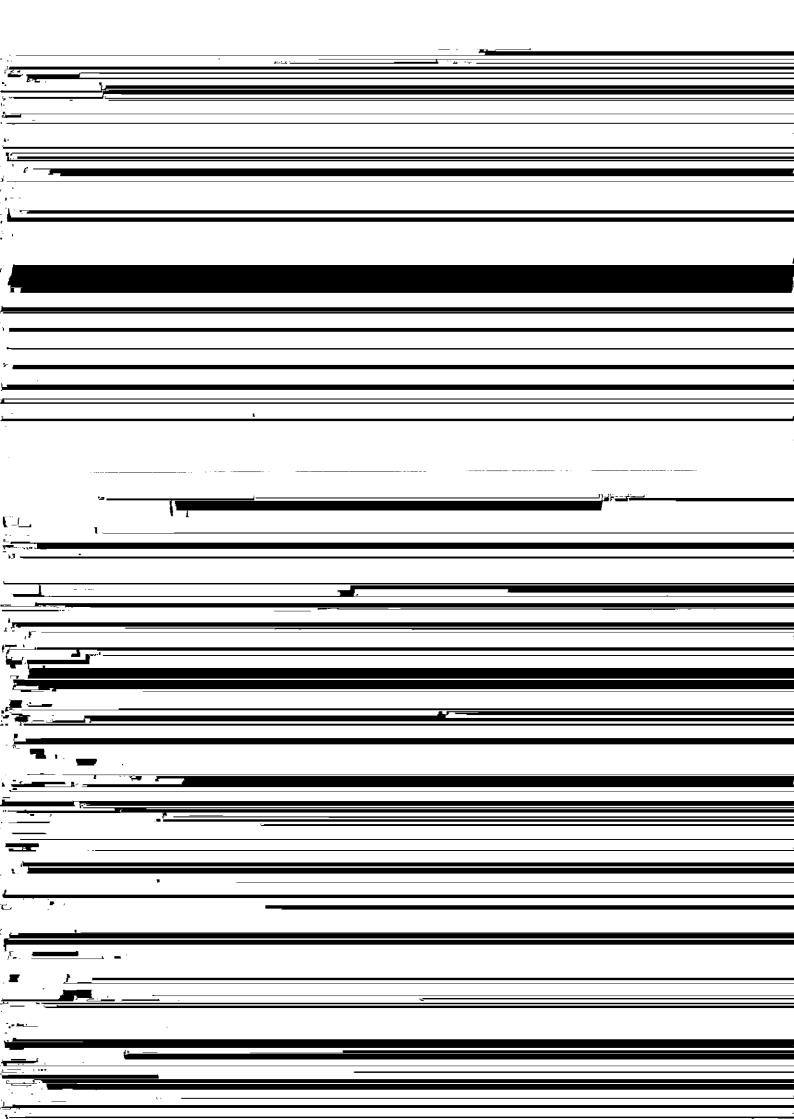
川崎製鉄技報29 (1997) 3, 159-163

Measurement and Analysis of Localized Magnetic Flux Distribution

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要旨
新開発の探針法装置により方向性電磁鋼板内部の磁束分布を測
利用光の抹針法表記により方向性電磁鋼板内部の磁果分布を測
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探針法による測定では、探針と試料の地鉄を電気的に接触させる 必要がある。筆者らは絶縁被膜付きの方向性電磁鋼板に対して、先 り、探針と地鉄を接触させる方法を採用した。ここで、探針には、





Mainstream of flux Specimen Rolling direction 端部の磁極による静磁エネルギーによりほば説明することができ、