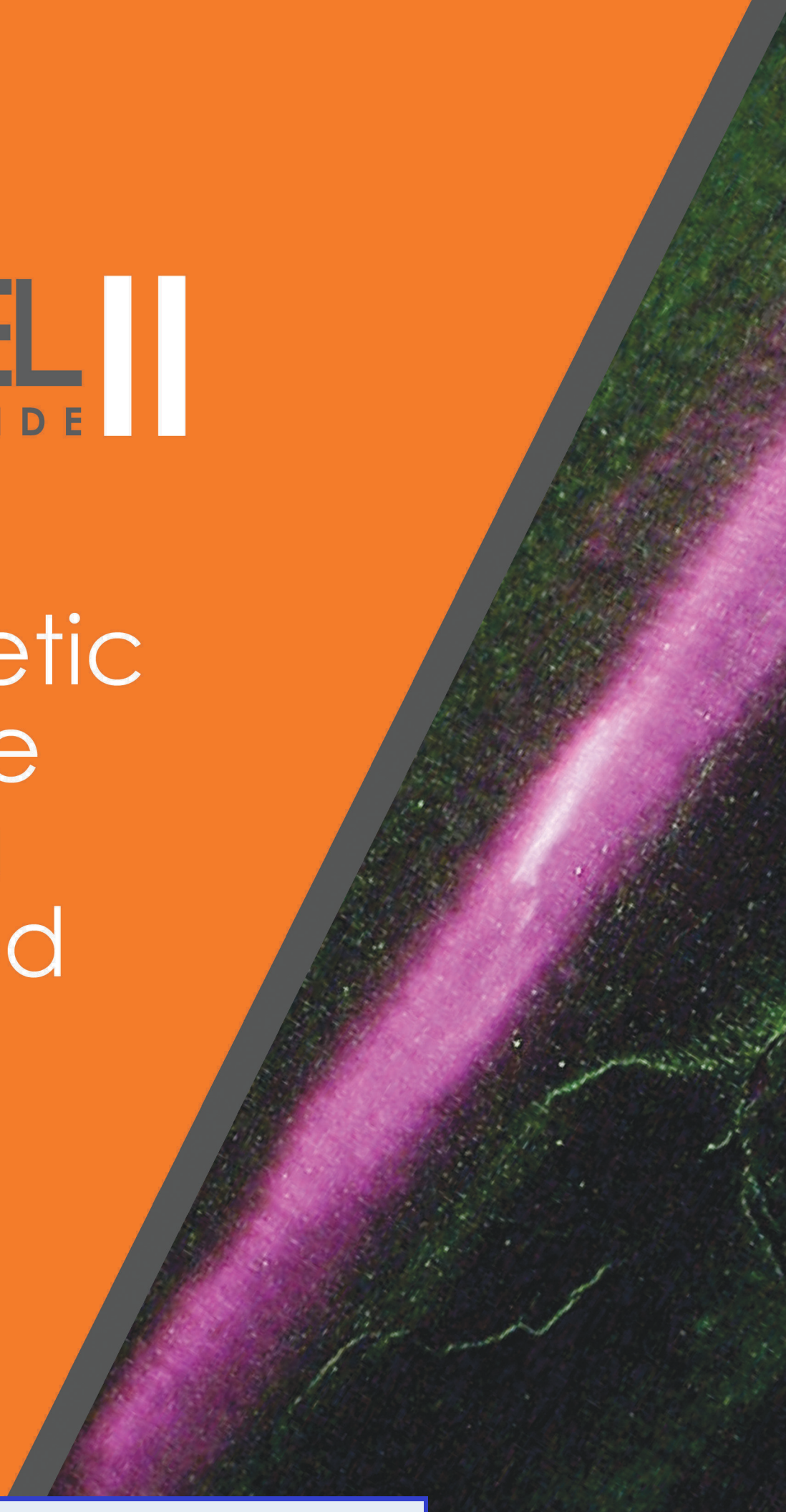
Third Edition

ASNT

LEVEL II

STUDY GUIDE

Magnetic Particle Testing Method



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LEVEL II STUDY GUIDE

Magnetic Particle Testing Method

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ASNT Mission Statement:
ASNT exists to create a safer world by advancing scientific, engineering, and technical knowledge in the field of nondestructive testing.

FOREWORD

Purpose

This Study Guide is intended to aid individuals preparing to take the ASNT NDT Level II examination for magnetic particle testing (MT). The material in this Study Guide addresses the body of knowledge included in *ANSI/ASNT CP-105: ASNT Standard Topical Outlines for Qualification of Nondestructive Testing Personnel*.

The ASNT NDT Level II certification program is a service offered by The American Society for Nondestructive Testing, Inc., that gives NDT personnel an opportunity to have their familiarity with the principles and practices of NDT assessed by an independent body. The program uses an independent body to review credentials and uses comprehensive written examinations to identify those who meet the criteria for becoming an ASNT NDT Level II.

How to Use the Study Guide

This Study Guide is designed to assist in the preparation for the ASNT NDT Level II examination. It is not intended to be the only source of preparation. The Study Guide provides a general overview of subject matter covered in the body of knowledge so that students can identify those areas in which they need further study.

Read through the text of the Study Guide, and if the discussion covers unfamiliar material, the references should also be studied. The review questions at the end of each chapter should be answered. Success in answering the questions will help determine if more concentrated study in particular areas is needed. Those familiar with some of the topics may wish to go directly to the review questions. If the questions can be answered confidently and correctly, additional study may be optional.

Additional Information

All chapter review questions are now multiple choice with four unique answers to more closely match the ASNT exam format.

Because ASNT is an International System of Units (SI) publisher, throughout the text both SI and imperial units are used. For simplicity, many equations in this book use 25 mm equals 1 in. Where SI units are not used in the original text of the standards and codes, conversions to SI units were not made.

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