

ASNT Level III Study Guide: Visual and Optical Testing Method

Text Corrections

The following text corrections apply to the second printing of *ASNT Level III Study Guide: Visual and Optical Testing Method*. Subsequent printings of the document will incorporate the corrections into the published text.

Page 9: In the right-hand column, Planck's constant should be:
 $6.626 \cdot 10^{-34}$ J • second

Page 51: In question 21, the answer should be d not “b”, as shown on page 107.

Page 51: In question 25, the answer should be d not “b”, as shown on page 107.

The last paragraph on page 72 should read:

Machine vision applications are used on many parts and assemblies found in the automotive industry. One application calibrates the angular position of pointers on microprocessor controlled gages such as speedometers and fuel gages. The gage is calibrated while installed in the instrument panel. A known electrical input is supplied to the gage to produce a deflection in the pointer. A single high-speed camera system can compare the actual deflection to a programmed limit and accept or reject over 12 gages per minute.

The last paragraph on page 89 should read:

Tensile testing is performed using a universal testing machine. This machine includes provisions for applying the strain in a controlled manner, a device to measure and record the applied load, and an extensometer (a gage that measures the strain and deformation of the test piece).