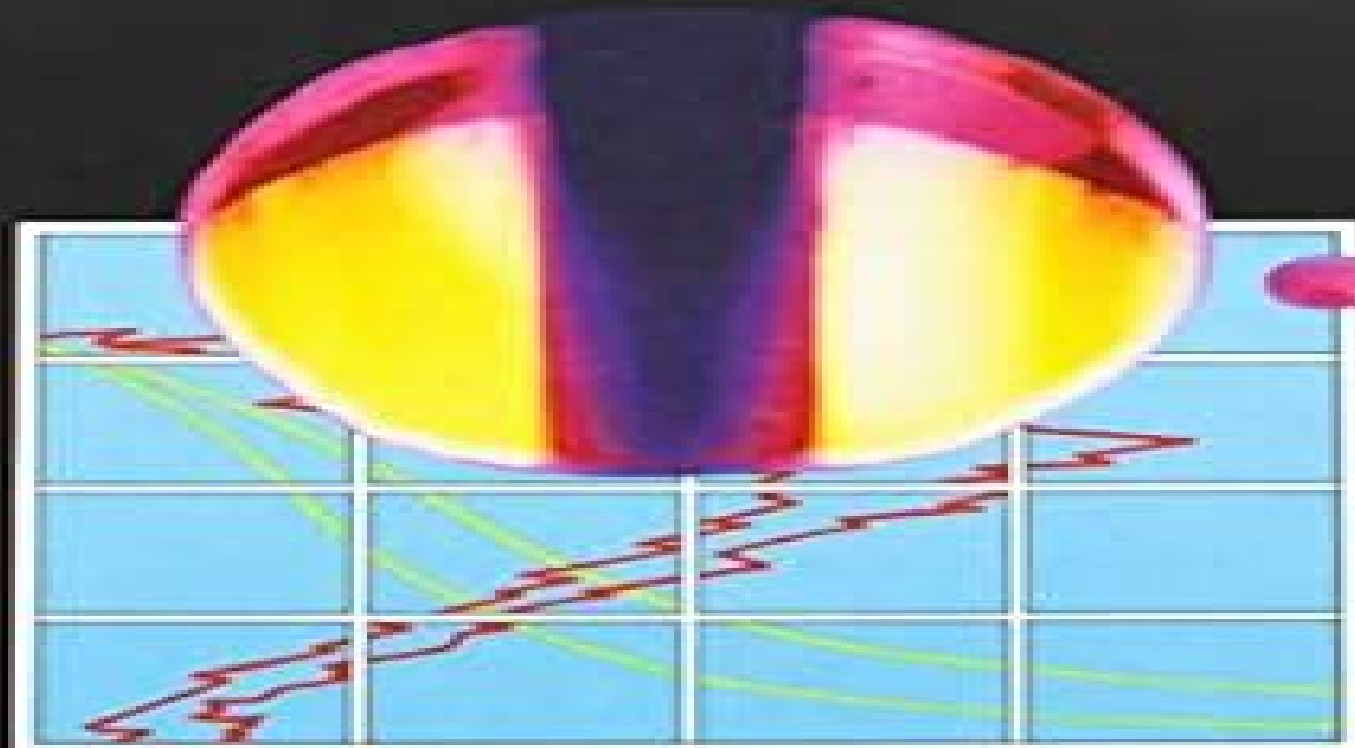


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of

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The Nondestructive  
Testing Society

G.E. Totten, C.E. Bates and N.A. Clinton

# Handbook Of Quenchants And Quenching Technology

**Mark F. Horstemeyer**



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**Principles of the Heat Treatment of Plain Carbon and Low Alloy Steels** Charlie R. Brooks, This invaluable resource book will help you immeasurably in determining which steel and heat treatment process will best meet your needs It reviews current methods both quantitative and correlative in determining hardness or strength You get a brief review of the concepts behind the common method of graphically depicting decomposition of austenite the time temperature transformation TTT diagram It is followed by the ways of calculating hardenability from chemical composition and austenite grain size Heat transfer during quenching is also discussed including temperature time curves for various shapes like bars and plates Subsequent tempering is analyzed for you in great detail

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