Table of contents provided by Syndetics

- Iron and its interstitial solid solutions
- The strengthening of iron and its alloys
- The iron-carbon equilibrium diagram and plain carbon steels
- The effects of alloying elements in iron-carbon alloys
- Formation of martensite
- The bainite reaction
- Acicular ferrite
- The heat treatment of steels hardenability
- The tempering of martensite
- Commercial Steels: New material to include Nanostructured Steels, Steels for the Energy and Automobile Industries
- The embrittlement and fracture of steels
- Stainless steel
- Weld microstructures
- Modelling of microstructure and properties