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update to the first book that includes sections on classification properties treatment methods and production this updated edition contains new content on the powders along with newer methods of 3d printing covers the manufacturing methods properties and importance of the following metals aluminum titanium magnesium copper nickel cobalt zinc cadmium noble metals rare earth metals lead tin and bismuth includes new content on recent advances such as additive manufacturing and 3d printing of non ferrous metal alloys and specific powders for advanced techniques including metal injection molding technologies expands on topics such as safety engineering in the production of powders and advanced areas of engineering research such as nanopowder processes

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a complete guide to fluid mechanics for engineers fully updated for current standards this thoroughly revised classic guide clearly explains the principles and applications of fluid mechanics and hydraulics in a straightforward manner without using complicated mathematics while aimed at undergraduate students practicing engineers will also benefit from the hands on information covered you will explore fluid mechanics fundamentals pipe and open channel flow unsteady flow and much more written by a pair of experienced engineering educators fluid mechanics with civil engineering applications eleventh edition focuses on reducing and streamlining content while retaining its traditional approach to teaching fundamental concepts by solving engineering problems this overhauled edition features new practical sample problems and exercises and incorporates digital resources while removing some more advanced topics less essential to civil engineering contains new and extensively updated content to meet current standards incorporates new examples and problems includes a new online problem and solutions manual as well as additional resources for students and instructors

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