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| Altri autori (Persone) | ZhangYun ZhangChunlei WangQian |
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| Nota di contenuto | Chapter 1 Introduction -- Chapter 2 Composite Girder (the structure of bridge deck) and its applicability -- Chapter 3 Cable-stayed Bridge with Composite Girder -- Chapter 4 Suspension Bridge with Composite Girder -- Chapter 5 Arch Bridge with Combined Deck (or Composite Girder) -- Chapter 6 Construction -- Chapter 7 Mechanical Performance and Economy of Cable-stayed Bridge with Composite Beam -- Chapter 8 Mechanical Performance and Economics of Suspension Bridge with Composite Girder -- Chapter 9 Prospect -- References -- Index. |
| Sommario/riassunto | This book introduces the latest developments in long-span cable-supported composite cable-stayed bridges, suspension bridges, and mid- and through-type cable-supported composite arch bridges. Based on the engineering application and practice of cable-supported |

composite bridges, this book systematically expounds the structural systems of these bridge types. It also summarizes the main construction methods, analyzes the mechanical properties of cable-stayed bridges and suspension bridges with composite girders and the influence rule with alternative spans, and proposes the reasonable span range based on economic efficiency. The prospect of using orthotropic composite bridge decks in long-span cable-supported bridges is also analyzed. This book is a valuable reference for both bridge professional technicians and graduate students for research, design and construction.
