Fiber Optic Communication Systems Solution Manual

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this is the solutions manual for the text fundamentals of communication systems isbn 978 0 9928510 0 2 which provides a solid foundation in both analog and digital communications a comprehensive text in electrical engineering with chapters on signals analog communications digital communications information theory analog to digital baseband signalling bandpass signalling block and convolutional codes with an appendix on probability theory to help students without prior knowledge of probability theory every aspect of the communication theory is brought to life via matlab and mathcad simulations together with over 140 video lectures experience sitting next to the author as you explore the theory in this novel text that provides a unique self learning environment 740 pages in the associated text 140 video lectures 340 matlab simulations 340 mathcad simulations 200 problems solved in this solutions manual all the multimedia

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this third edition has been revised to include expanded coverage of digital communications new topics include spread spectrum systems cellular communication systems global positioning systems gps and a chapter on emerging digital technologies such as sonet isdn and video compression

a complete up to date review of fiber optic communication systems theory and practice fiber optic communication systems technology continues to evolve rapidly in the last five years alone the bit rate of commercial point to point links has grown from 2 5 gb s to 40 gb s and that figure is expected to more than double over the next two years such astonishing progress can be both inspiring and frustrating for professionals who need to stay abreast of important new developments in the field now fiber optic communication systems second edition makes that job a little easier based on its author's exhaustive review of the past five years of published research in the field this second edition like its popular predecessor provides an in depth look at the state of the art in fiber optic communication systems while engineering aspects are discussed the emphasis is on a physical understanding of this complex technology from its basic concepts to the latest innovations thoroughly updated and expanded fiber optic communication systems second edition includes 30 more information including four new chapters focusing on the latest lightwave systems r d covers fundamental aspects of lightwave systems as well as a wide range of practical applications functions as both a graduate level text and a professional reference features extensive references and chapter end problem sets

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