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Hydrology For Engineers (McGraw-Hill Series In Water Resources & Environmental Engineering)



Synopsis

Ray Linsley was a pioneer in the development of procedures for hydrologic simulation employing continuous deterministic models and was one of the most influential hydrologists of his time.

Book Information

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Customer Reviews

This book is an essential read for civil/water/hydraulic/water resources/environmental engineers who need a bit more hydrology necessary for understanding the hydrology applied in their disciplines. The book defines hydrology and proceeds to indicate the essential difference between applied hydrology and just scientific hydrology. Beginning with the traditional presentation of the hydrologic cycle, all the components of the cycle are dealt with in more detail in the subsequent chapters of the book to indicate the applications involving each and appropriate examples given. Non-verbose explanations with adequate real examples are used in presentations of meteorology/solar radiation, rainfall/snowmelt, evaporation, infiltration, streamflow and hydrographs/unit hydrographs, groundwater occurrence and hydraulics, probability distributions/extreme value analysis/design floods/storms, river morphology, sedimentation, computer modelling, flood routing by hydrologic and hydraulic methods, and introduction to applications. These are by no means all the main contents - but just indicative of the variety of included essential topics. It may be old (my edition of 1988) but still contains all the hydrology an engineer may ever need.

This book is a classic and what it does best is to unify theory and practice. It puts the reader in touch with the theories in the field, taking its time to run through them in a meticulously manner; and at the same time, it gives a sense of professional, real-life world Hydrology. As a student and an Engineer, I fully enjoyed it. It is a go-to reference book for me and for many that I have worked with. Without a trace of doubt, it is a reliable source and a must-have for those who want to work with Hydrology.

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