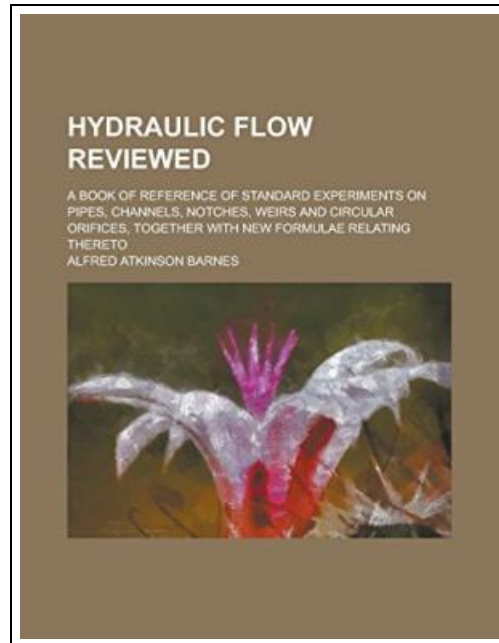


Hydraulic Flow Reviewed; A Book of Reference of Standard Experiments on Pipes, Channels, Notches, Weirs and Circular Orifices, Together with New Formulae Relating Thereto



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Reviews

Thorough information! Its this kind of very good read. It is writter in basic words and not hard to understand. You wont feel monotony at anytime of your respective time (that's what catalogues are for regarding should you question me).

(Roel Bogisich Sr.)

HYDRAULIC FLOW REVIEWED; A BOOK OF REFERENCE OF STANDARD EXPERIMENTS ON PIPES, CHANNELS, NOTCHES, WEIRS AND CIRCULAR ORIFICES, TOGETHER WITH NEW FORMULAE RELATING THERETO



Rarebooksclub.com, United States, 2013. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book ***** Print on Demand *****.This historic book may have numerous typos and missing text. Purchasers can usually download a free scanned copy of the original book (without typos) from the publisher. Not indexed. Not illustrated. 1916 edition. Excerpt: .simultaneously the value of m must be noted. These three observations then suffice to determine the three coefficients in the equation, and a proper understanding of the method now to be more particularly explained will enable any one in future to solve the problem of the flow of water in pipes or channels of any description whatever. We will assume that the following three observations numbered 2,002, 2,012 and 2,058 in the appendix are known to have been very accurately taken, viz.: GRAPHIC CONSTRUCTION TO OBTAIN THE FORMULAE 37 Taking $\log m$ on the axis of x and $\log v$ on the axis of y , plot (preferably to the same scale) the logarithms of these observations as points A, B, C . Join $A B$ and produce it as far as required in each direction. Through C draw the dotted line $D C E$ parallel to $A B$. Write the logs of the hydraulic slopes against these 2 lines. Draw any line $F G H N$ normal to $A B$. Construct on $F N$ a scale for $\log i$ with divisions corresponding to the logs of the two slopes experimented upon, viz.: $G = 3.7011, H = 5.8248$, hence zero occurs at R (see Fig. 14). Through point R where $i = 1$ (or $\log i = 0$ on this scale) draw the parallel line $P R S$ to cut the axis of $\log w$ in S . Only one stipulation will be made, viz: --The law will not...



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