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 Tyler G. Hicks, P.E., is a consulting engineer and a successful engineering book author. He has worked in plant design and operation in a variety of industries, taught at several engineering schools, and lectured both in the United States and abroad. Mr Hicks holds a bachelor ' s degree in Mechanical Engineering from Cooper Union School of Engineering in New York. He is the author of more than 100 books in engineering and related fields. Civil Engineering Formulas book by Tyler G. Hicks:-

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This book was written with two main objectives in mind - to summarize and organize the vast material of vacuum technology in sets of useful formulas, and to provide a collection of worked out exercises showing how to use these formulas for solving technological problems. It is an ideal reference source for those with little time to devote to a full mathematical treatment of the many problems issued in vacuum practice, but who have a working knowledge of the essentials of vacuum technology, elementary physics, and mathematics. This time saving book employs a problem-solving approach throughout, providing the methodology for computing vacuum parameters. References and solved exercises are appended to the end of each chapter. Presents the thermal transpiration effect in vacuum gauges with application to capacitance manometers in vacuum metrology Covers analytical-statistical calculation of conductances of vacuum elements Examines the molecular flow of gas through short pipes and channels Explains chocked and nonchocked laminar flow of gas through vacuum elements