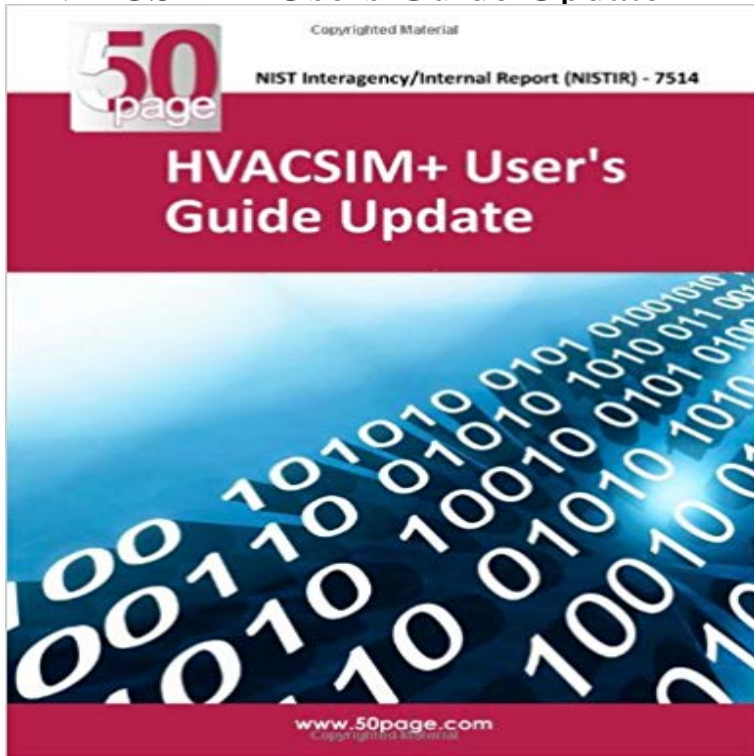


HVACSIM+ Users Guide Update



The first version of HVACSIM+, which stands for HVAC SIMULATION PLUS other systems, as introduced by National Institute of Standards and Technology (NIST) in 1985 as a computer simulation tool to simulate entire building systems [1]. Since then, the HVACSIM+ computer program package and manuals have been distributed to researchers, students, and consultants in more than 40 countries around the world. Since the first distribution of the program to public, a number of modifications have been made. Because some of statements in the Fortran 77 computer code of the HVACSIM+ used more than 20 years have become obsolete in the context of today's Fortran 90/95 standards, an upgrade to Fortran 90/95 standards was deemed necessary. This conversion task was recently completed by NIST. During the conversion, the logic flows were maintained as close to the original as possible. This update manual is a condensed guide to running the programs in the HVACSIM+ package. Much of the substance of this manual is extracted directly from the previous manuals. This manual is intended to update and supplement the previous manuals, not to replace them. To confirm correct operation of the new code and illustrate its use, some of examples of system and building shell simulations were chosen from the previous documents. Simulation runs were made in the command line interface of a popular operating system in step-by-step manner. The input and output information of those runs is listed in this manual.

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April 2007. Park, C. Reneke, P. A. Galler, M. A. Bushby, S. T. Davis, W. D. HVACSIM+ Users Guide Update. NISTIR 7514 108 p. July 2008 **computer programs - Building and Fire Publications - NIST** NISTIR 7414 91 p. April 2007. Park, C. Reneke, P. A. Galler, M. A. Bushby, S. T. Davis, W. D. HVACSIM+ Users Guide Update. NISTIR 7514 108 p. July 2008 **HVACSIM+ building systems and equipment simulation - Buy HVACSIM+ Users Guide Update on ? FREE SHIPPING on qualified orders. Computer Simulation - Building and Fire Publications - NIST** [3] Liengme, B. V. (1997) A Guide to Microsoft Excel for Scientists and (1985) HVACSIM+ Building Systems and Equipment Simulation Program - User Guide, **Building Publications - HVACSIM+ HVACSIM+ building systems and equipment simulation program [microform] : users guide / Daniel R. Clark, William B. 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