

- Case, T., "A Reduction Technique for Obtaining a Simplified Reliability Expression," IEEE Transactions on Reliability, Vol. R-26, No. 4, October 1977.
- Colbourn, C., "Boolean Models and Methods in Mathematics, Computer Science, and Engineering," Part of Encyclopedia of Mathematics and its Applications, Chapter 17, Editors: Yves Crama and Peter L. Hammer, June 2010, ISBN: 9780521847520.
- Freiheit, T., M. Shpitalni and S. J. Hu, "Productivity of Paced Parallel-Serial Manufacturing Lines With and Without Crossover," Journal of Manufacturing Science and Engineering, Vol. 126, May 2004.
- Koo, D.Y., "D/Boolean Applications in Reliability Analysis," IEEE Proceedings of Annual Reliability and Maintainability Symposium, 1990.
- Kumar, M., Jasbir Singh, J., and Avtar, R., "Reliability Analysis of Rice Mill by Boolean Function Technique," International Journal of Engineering Trends and Technology, Vol. 4 (5), May 2013.
- Mano, M., M., and Kime, C.R., "Logic and Computer Design Fundamentals", Prentice Hall, Third Edition, 2004.
- Mano, M., M., "Digital Design," Prentice Hall, Third Edition, 2005.
- Rahmat, M. K., S. Jovanovic and K. L. Lo, "Reliability Estimation of Uninterruptible Power Supply Systems: Boolean Truth Table Method," IEEE Telecommunications Energy Conference, 28th Annual International, pp 1-6, September 2006.
- Zaitseva, E., and Levashenko, V., "Reliability analysis of multi-state system with application of multiple-valued logic," International Journal of Quality & Reliability Management, Vol. 34 (6), 2017.

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