

## บรรณานุกรม

รังสรรค์ วงศ์สรรค์. (2552). วิศวกรรมสายอากาศ. สาขาวิชาวิศวกรรมโทรคมนาคม สำนักวิชา  
วิศวกรรมศาสตร์: มหาวิทยาลัยเทคโนโลยีสุรนารี

Andrea, G. (2005) Wireless Communications. Stanford University, Chap. 10.

Andera, Goldsmith. Senior Member. (2003) Capacity limits of MIMOChanel, Vol.21 ,no.5, : pp.684-702

Constantine, A. Balanis. (1997). Antenna Theory: Analysis And Design 2<sup>nd</sup> , John Wiley & Sons.Inc. 1997

Da-Shan, S., Foschini, G. J., Gans, M. J., and Kahn, J. M. (2000) Fading Correlation and its Effect on the Capacity of Multielement Antenna Systems. IEEE Transactions on Communications, vol. 48, no. 3 : pp. 502-513.

David, M. Pozar. (1998).Microwave Engineering 2<sup>nd</sup> edition, John Wiley & Sons.Inc. 1998

Foschini, G., J. (1996) Layered space-time architecture for wireless communication in a fading environment when using multielement antennas. Bell Labs Technical Journal. : pp 41-59.

Foschini, G. L., and Gans, M. J. (1998) On limit of wireless communications in a fading environmentwhen using multiple antennas. Wireless Personal Communications. : pp 311-335.

Goldberg, D. E. (1989) Genetic Algorithms in Search, Optimization and Machine Learning, Reading, MA: Addison-Wesley,

Innok, A., Uthansakul, P., and Uthansakul, M. (2009) The Enhancement of MIMO Capacity using Angle Domain Processing Based on Measured Channels. APMC Singapore, : pp. 2172-2175.

Kermoal, J.P., Mogensen, E., Jensen, S.H., Andersen, J.B., Frederiksen, F., Sorensen, T.B., and Pedersen, K.I. (2000) Experimental investigation of multipath richness for multi-element transmit and receive antenna array. IEEE 51<sup>st</sup> Vehicular Technology Conference Proceedings, No. 3 : pp 2004-2008.

Ming, K., and Alouini, M.S. (2003) Impact of correlation on the capacity of MIMO channels. IEEE International Conference on Communications, Vol. 4 : pp 2623-2627.

Molisch, A.F., Steinbauer, M., Toeltsch, M., Bonek, E., and Thoma, R.S. (2002) Capacity of MIMO systems based on measured wireless channel. IEEE Journal on Selected Areas in Communications, Vol. 20, No. 3 : pp 561-569.

Okano, Y.. and Cho, K. ( 2004) Monopole antenna array arrangement for card-type mobile Terminal. Radio and Wireless Conference, IEEE 19-22 : pp. 415 - 418.

Rahmat-Samii, Y., and Michielssen, E. (1999) Electromagnetic Optimization by Genetic Algorithms, New York, Wiley, Chapter 8.

Svantesson, T., and Ranheim, A. (2001) Mutual coupling effects on the capacity of multielement antenna systems. in Proc.IEEE Int. Conf. Acoustics, Speech, and Signal Processing (ICASSP'01), Salt Lake City, UT : pp. 2485–2488.

Srikaew, A. (2002) Genetic algorithm –Part I. Suranaree J. Sci. Techno, : pp.69-83.

Svantesson T., and Ranheim, A. (2001) Mutual coupling effects on the capacity of multielement antenna systems. in Proc.IEEE Int. Conf. Acoustics, Speech, and Signal Processing (ICASSP'01), Salt Lake City, UT : pp. 2485–2488.