

CIRRICULUM VITAE

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Education

Ph.D. (Applied Statistics) King Mongkut's University of Technology North Bangkok

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Publication

1. Petcharat, K., Areepong, Y., Sukparungsee, S. and Mititelu, G. "Fitting Pareto Distributions with Hyperexponential to Evaluate the Average Run Length for Cumulative Sum Chart." International Journal Pure Applied. Mathematics. 77 (1) (2012) : 233-244. impact factor = 0.12 (SCImago, 2012)
2. Petcharat, K., Areepong, Y. and Sukparungsee, S. "Exact Solution for Average Run Length of EWMA Charts for MA(q) Process." Far East Journal of Mathematical Sciences. 78 (2013) : 291-300. impact factor = 0.22 (SCImago, 2012)
3. Petcharat, K., Areepong, Y., Sukparungsee, S. and Mititelu, G. "Exact Solution for Average Run Length of CUSUM Charts for MA(1) Process." Chiang Mai Journal of Science. 41(5.2)(2014) : 1449-1456. Impact Factor: 0.418(SCImago, 2012)
4. Petcharat, K., Areepong, Y., Sukparungsee, S. and Mititelu, G. "Exact Solution for Average Run Length of CUSUM Charts for MA(q) Process." Science Asia. 41 (2015) : 141-147 Impact Factor: 0.347(SCImago, 2013)
5. Petcharat, K. "An Analytical solution of ARL of EWMA Procedure for SAR(P)L Process with Exponential White Noise" Far East Journal of Mathematical Sciences. 78 (2015) : 831-843. impact factor = 0.20 (SCImago, 2014)
6. Petcharat, K. "Explicit Formula of ARL for SMA(Q)L with Exponential White Noise on EWMA Chart," International Journal of Applied Physics and Mathematics, 6(4) (2016), : 218-225.

7. Petcharat K., Sensitive Nonparametric Control Charts for Monitoring Process Variation, International Journal of Scientific & Technology Research, 6(12) (2017), p.23-25.

Conference Proceedings

1. Petcharat, K., Areepong, Y., Sukparungsee, S. and Mititelu, G., Fitting Weibull Distributions with Hyperexponential to Evaluate the Average Run Length for Cumulative Sum Chart. Proceeding Applied Stochastic Models and Data Analysis, the 14th Conference of the ASMDA International Society. (2011) : 1454-1461.
2. Petcharat, K., Areepong, Y., Sukparungsee, S. and Mititelu, G. “Numerical Approximation to the Performance of CUSUM Charts for EMA(1) Process.” Proceeding International Conference on Mathematical, Computational and Statistical Sciences, and Engineering. (2012) : 1541-1545.
3. Petcharat K., A Sensitive of Maximum Generally Weighted Moving Average Control Chart for AR(p) Processes, Proceedings: The International Multi Conference of Engineers and Computer Scientists 2018, 14-16 March 2018, Hong Kong, p.289-292.