

Références

- [1] CHABBI .S, ‘Detection adaptative CFAR à censure automatique basee sur les statistiques d'ordre en milieux non gaussiens’, Thèse de Magister, Université de Constantine, 2008.
- [2] Krattou Mohamed Riad. :’ Étude De La Détection Radar Dans Un Milieu Homogène’ Mémoire de Master en Télécommunications, Département d’électronique, À L’université Abou Bekr Belkaid de Tlemcen,2012-2013.
- [3] M. Barkat, “Signal Detection and Estimation“, Second Edition, Artech House, Boston, MA, SA, 2005
- [4] Z. Peyton and JR. Peebles, “Radar principles,” Wiley- Interscience Publication, 1998.
- [5] Achbi .M ,Abadli.A, «Analyse Des Performancesdes Detecteurs Ca,Os Et MI-Cfardans Un Clutter De Distribution Weibull » , mémoire d’ingénieur d’état en Automatique ,Universite Mohamed Khider- Biskra ,2007.
- [6] Z. Peyton and JR. Peebles, “*Radar principles*,” A Wiley- Interscience Publication, 1998.
- [7] M. Barkat, “*Signal Detection and Estimation*“, Second Edition, Artech House, Boston, MA, SA, 2005.
- [8] M. Sahed et A. Mezache, “Détection Automatique CFAR en Environnement Non Gaussien ” Thèse de doctorat en science, Département d’électronique, Université Mohamed Boudiaf-M’sila, Octobre 2015.
- [9] https://fr.wikipedia.org/wiki/Radar_météorologique,06-02-2017.
- [10] Ward, K.D. Tough. R.J.A. Watts. S, ‘Sea clutter: scattering, the K-distribution and radar performance’ (IET, London, UK, 2013, 2nd edn.)
- [11] S. Haykin, R. Bakker, and B. W. Currie, ‘Uncovering nonlinear dynamics The case study of sea clutter data’, Porc. IEEE, vol 90, pp 860881, May 2002
- [12] I. Chalabi, “Detection CFAR à base de GLRT dans un environnement Gaussien-Composé“, Mémoire de Magister en Communication , Département d’électronique, À l’université de M’sila . 2012
- [13] Eltoft, T.: ‘The Rician Inverse Gaussian Distribution: A New Model for Non-Rayleigh Signal Amplitude statistics’. IEEE Trans. Imag. Process., 2005, 14, (11), pp. 1722-1735
- [14] Javier Carretero-Moya. J. Gismero-Menoyo. J. Blanco-del-Campo. A. Asensio-López. A.: ‘Statistical Analysis of a High-Resolution Sea-Clutter Database’ IEEE Trans. Geosc. Remot. Sens., 2010, 48, (4), pp. 2024 - 2037
- [15] Weinberg, G. V.: ‘Assessing the Pareto Fit to High Resolution High Grazing Angle Sea Clutter’, IET Electronics Letters, 2011, 47, pp. 516-517.

- [16] Ollila, E.; Tyler, E.; Koivumäki, D.E.V.; Poor, V., "Compound-Gaussian Clutter Modeling with an Inverse Gaussian texture distribution," *IEEE Trans. Signal Process. Letter*, 19, (12), December 2012, pp. 876-879.
- [17] Bocquet, S.: 'Parameter estimation for Pareto and K distributed clutter with noise', *IET Radar. Sonar. Navig.*, 2015, 9, (1), pp. 104-113
- [18] Rosenberg, L., Bocquet, S.: 'The Pareto distribution for high grazing angle sea-clutter'. *IEEE Int. Geoscience and Remote Sensing Conf.*, Melbourne, Australia, 2013, pp. 4209-4212.
- [19] R. Ravid and N. Levanon, "Maximum-likelihood CFAR for Weibull background", *IEE Proceedings-F*, 139, (3), June 1992.
- [20] Goldstein, G. B., "False-Alarm regulation in Log-Normal and Weibull clutter," *IEEE Transactions on Aerospace and Electronic Systems*, AES-9, (1), January 1973, pp. 84-92.
- [21] Iskander, D. R., and Zoubir, A. M.: 'Estimation of the parameters of the K-distribution using higher-order and fractional moments', *IEEE Trans. Aerosp. Electron. Syst.*, 1999, 35, (4), pp. 1453–1457
- [22] Blacknell, D. Tough, R. J.: 'A Parameter estimation for the K-distribution based on $[z\log(z)]$ ', *IEE Proc. Radar. Sonar. Navig.*, 2001, 148, (6), pp. 309–312
- [23] Mezache, A., Chalabi, F., Soltani, M., Sahed, M.: 'Estimating the Pareto plus noise distribution parameters using non-integer order moments and $[z\log(z)]$ approaches', *IET Radar, Sonar. Navig.*, 2016, 10, (1), pp. 192-204.
- [24] Bocquet, S.: 'Simulation of correlated Pareto distributed sea clutter', *IEEE Int. Conf. on Radar*, Adelaide, SA, 9-12 September 2013, pp. 258–261.
- [25] Weinberg, G.V., "Estimation of Pareto clutter parameters using order statistics and linear regression," *Electronics Letters*, vol. 49, n°13, pp. 845—846, Jun 2013.
- [26] Mezache, A., Sahed, M., Laroussi, T., Chikouche, D.: 'Two novel methods for estimating the compound K-clutter parameters in presence of thermal noise', *IET Radar Sonar Navig.*, 2011, 5, (9), pp. 934-942.
- [27] Mezache, A., Sahed, M., Soltani, F., Chalabi, I.: 'Model for non-rayleigh clutter amplitudes using compound inverse Gaussian distribution: an experimental analysis', *IEEE Trans. Aerosp. Electron. Syst.*, 2015, 51, (1), pp. 142–153
- [28] S. Sato and J. Inoue, "Inverse Gaussian Distribution and Its Application", *Electronics and Communications in Japan (Part III: Fundamental Electronic Science)* Vol. 77, No. 1, 1994.
- [29] J. L. Folks and R. S. Chhikara, "The Inverse Gaussian Distribution and Its Statistical Application-A Review", *Journal of the Royal Statistical Society, Series B*, Vol. 40, No. 3, 1978

- [30] Seshadri. V.: 'The Inverse Gaussian Distribution- Statistical Theory and Applications', (Springer-Verlag, New York, Inc. in 1999)
- [31] V. Anastassopoulos, G. A. Drosopoulos and M. Rey, "High resolution radar clutter statistics", IEEE Transactions on Aerospace and Electronic systems, Vol. 35, No. 1, January 2009.
- [32] Sahed. M., Mezache. A., Laroussi. T.: 'A novel $[z\log(z)]$ -based closed form approach to parameter estimation of K-clutter-plus-noise for radar detection', IEEE Trans. Aerosp. Electron. Syst., 2015, 51, (1), pp. 492–505
- [33] Swerling, P., "Recent Developments In Target Models For Radar Detection Analysis", AGARD Avinics Tech. Symp. Proc. Istambul, Turkey, May 25-29, 1970.
- [32] Weinberg, G.V, « Constant false alarm rate detections for Pareto clutter models », IET Radar, Sonar and Navigation, 7, 2, (Feb. 2013), 153-163
- [33] Balleri, A., Nehorai, A., and Wang, J « Maximum likelihood estimation for compound-Gaussian clutter with inverse gamma texture », IEEE Transactions on Aerospace and Electronic Systems, 43, 2, (April 2007), 775-779.
- [34] Malik, H. J, « Estimation of the parameters of the Pareto distribution », Metrika, 15, (1970), 126-132.
- [35] Prudnikov. A. P., Brychkov. Yu. A., Marichev, and O. I.: 'Integrals and Series', Vol. 1, Amsterdam: Gordon and Breach Science Publishers, 1986.
- [36] Abramowitz, M. and Stegun, I. A. "Handbook of Mathematical Functions," New York: Dover Publications, Inc., 1970
- [37] Sahed, M., Mezache, A.: 'Closed-Form Fractional Moments-Based Estimators for K-Distributed Clutter plus Noise Parameters', IEEE Transactions on aerospace and Electronic Systems, Accepted for publication, , DOI: [10.1109/TAES.2017.2667588](https://doi.org/10.1109/TAES.2017.2667588), 2017
- [38] Sahed, M., Mezache, A., Soltani, F.: 'Closed-form Estimators for the Pareto Clutter plus Noise Parameters based on Non-integer Positive and Negative Order Moments', IET radar sonar and navigation, Vol. 11, N°. 2, pp. , 359 - 369, 2017
- [39] Cuyt. A., Brevik., P. V, Verdonk. B., Waadeland. H., Jones. W. B.: 'Handbook of Continued Fractions for Special Functions', Springer 2008.