

## PUBLICATIONS BY TADEUSZ INGLOT

### JOURNAL PUBLICATIONS

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2. (with A. Weron) On Gaussian random elements in some non-Banach spaces, *Bull. l'Acad. Polon. Sci.* **22** (1974), 1039-1043,
3. An elementary approach to the zero-one laws for Gaussian measures, *Coll. Math.* **40** (1979), 319-325.
4. Convergence of two-sample empirical processes, *Lecture Notes in Mathematics* **828** (1980), 102-107.
5. (with T. Byczkowski) The invariance principle for vector valued random variables with applications to functional random limit theorems, *Lecture Notes in Statistics* **8** (1981), 30-41.
6. (with T. Jurlewicz) Log log law for Gaussian random variables in Orlicz spaces, *Lecture Notes in Mathematics* **1080** (1984), 124-129.
7. (with T. Byczkowski) Gaussian random series on metric vector spaces, *Math. Zeitschrift* **196** (1987), 39-50.
8. (with T. Ledwina) On probabilities of excessive deviations for Kolmogorov-Smirnov, Cramér-von Mises and chi-square statistics, *Ann. Statist.* **18** (1990), 1491-1495.
9. (with T. Jurlewicz and T. Ledwina) On Neyman-type smooth tests of fit, *Statistics* **21** (1990), 549-568.
10. (with T. Jurlewicz and T. Ledwina) Asymptotics for multinomial goodness of fit tests for simple hypothesis, *Theor. Probab. Appl.* **35** (1990), 797-803.
11. (with W.C.M. Kallenberg and T. Ledwina) Strong moderate deviation theorems, *Ann. Probab.* **20** (1992), 987-1003.
12. (with T. Ledwina) Moderately large deviations and expansions of large deviations for some functionals of weighted empirical processes, *Ann. Probab.* **21** (1993), 1691-1705.
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15. (with W.C.M. Kallenberg and T. Ledwina) Power approximations to and power comparison of smooth goodness-of-fit tests, *Scand. J. Statist.* **21** (1994), 131-145.
16. (with T. Ledwina) Asymptotic optimality of data driven Neyman's tests for uniformity, *Ann. Statist.* **24** (1996), 1982-2019.
17. (with W.C.M. Kallenberg and T. Ledwina) Data driven smooth tests for composite hypotheses, *Ann. Statist.* **25** (1997), 1222-1250.

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19. Generalized intermediate efficiency of goodness of fit tests, *Math. Methods Statist.* **8** (1999), 487-509.
20. On large deviation theorem for data driven Neyman's statistic, *Statist. Probab. Lett.* **47** (2000), 411-419.
21. (with W.C.M. Kallenberg and T. Ledwina) Vanishing shortcoming and asymptotic relative efficiency, *Ann. Statist.*, **28** (2000), 215-238.
22. (with T. Ledwina), Asymptotic optimality of data driven smooth tests for location-scale family, *Sankhyā, Ser. A*, **63** (2001), 41-71.
23. (with T. Ledwina) Intermediate approach to comparison of some goodness of fit tests, *Ann. Inst. Statist. Math.*, **53** (2001), 810-834.
24. (with W. C. M. Kallenberg) Moderate deviations of minimum contrast estimators under contamination, *Ann. Statist.*, **31**, (2003), 852-879.
25. (with A. Janic-Wróblewska) Data driven chi-square test for uniformity with unequal cells, *J. Statist. Comput. Simulation* **73** (2003), 545-561.
26. (with T. Ledwina) On consistent minimax distinguishability and intermediate efficiency of Cramér-von Mises test, *J. Statist. Plann. Inference*, **124** (2004), 453-474.
27. (with B. Stawiarski) Data-driven score test of fit for conditional distribution in the GARCH(1,1) model, *Probab. Math. Statist.*, **25**, (2005), 331-362.
28. (with T. Ledwina) Towards data-driven selection of the penalty function for data driven Neyman's test, *Linear Algebra Appl.*, **417**, (2006), 124-133.
29. (with T. Ledwina) Intermediate efficiency of some max-type statistics, *J. Statist. Plann. Inference*, **136**, (2006), 2918-2935.
30. (with T. Ledwina) Asymptotic optimality of new adaptive test in regression model, *Ann. Inst. H. Poincaré*, **42**, (2006), 579-590.
31. (with T. Ledwina) Data driven score tests for a homoscedastic linear regression model: the construction and simulations, in: *Prague Stochastics 2006*, Proceedings, M. Hušková, M. Janžura (Eds.), Matfyzpress, Prague 2006, 124-137.
32. (with T. Ledwina) Data driven score tests for a homoscedastic linear regression model: asymptotic results, *Probab. Math. Statist.*, **26**, (2006), 41-61.
33. (with A. Janic) How powerful are data driven score tests for uniformity, (2009), *Appl. Math.*, **36**, 375-395.
34. Intermediate efficiency by shifting alternatives and evaluation of power, (2010), *J. Statist. Plann. Inference*, **140**, 3263-3281.
35. Inequalities for quantiles of the chi-square distribution, (2010), *Probab. Math. Statist.*, **30**, 339-361.

36. Asymptotic behaviour of linear rank statistics for the two-sample problem, (2012), *Probab. Math. Statist.*, **32**, 93-116.
37. (with A. Janic and J. Józefczyk) Data driven tests for univariate symmetry, (2012), *Probab. Math. Statist.*, **32**, 323-358.
38. (with P. Majerski) Simple upper and lower bounds for the multivariate Laplace approximation, (2014), *J. Approx. Theory*, **186**, 1-11.
39. (with A. Janic) Data driven tests for univariate symmetry about an unknown median, (2014), *Probab. Math. Statist.*, **34**, 317-336.
40. Teoria informacji a statystyka matematyczna (in Polish), (2014), *Mathematica Applicanda*, **42**, 115-174.
41. (with D. Kujawa) Refined data driven tests for univariate symmetry, (2015), *Probab. Math. Statist.*, **35**, 91-106.
42. Data driven efficient score tests for Poissonity, (2019), *Probab. Math. Statist.*, **39**, 115-126.
43. (with B. Ćmiel and T. Ledwina), Intermediate efficiency in some nonparametric testing problems with an application to some weighted statistics, (2019), *ESAIM PS*, **23**, 697-738.
44. (with B. Ćmiel and T. Ledwina), Intermediate efficiency of some weighted goodness-of-fit statistics, (2020), *J. Nonparam. Statist.*, **32**, 667-703.
45. Intermediate efficiency of tests under heavy-tailed alternatives, (2020), *Probab. Math. Statist.*, **40**, 331-348, arXiv:1902.06622[math.ST].

## BOOKS AND OTHER PUBLICATIONS

1. (with T. Ledwina and Z. Ławniczak) *Materiały do ćwiczeń z rachunku prawdopodobieństwa i statystyki matematycznej*. Oficyna Wydawnicza Politechniki Wrocławskiej, Wrocław 1979, II wyd. 1984 (in Polish).
2. *Kurs Korespondencyjny. Matematyka, Zbiór Zadań 1999 - 2004*. Oficyna Wydawnicza Politechniki Wrocławskiej, Wrocław 2005 (in Polish).
3. Teresa Ledwina - laureatka nagrody im. Hugona Steinhausa, (2009), *Wiadomości Matematyczne*, **45**, No. 1, 96-100 (in Polish).
4. *Statystyka Stosowana – Krótki Kurs*, Oficyna Wydawnicza GiS, Wrocław 2020 (in Polish).
5. *Wykłady z teorii testowania hipotez*, Oficyna Wydawnicza GiS, Wrocław 2021 (in Polish).

## TECHNICAL REPORTS

1. Reproducing kernels of Gaussian measures on Fréchet spaces, (1977), Komunikat 132, Instytut Matematyki Politechniki Wrocławskiej.

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3. **(with T. Ledwina)** Data driven score tests for a semiparametric homoscedastic linear regression model, (2006), Preprint 665, Instytut Matematyczny PAN.
4. Moderate deviation theorem for the Neyman-Pearson statistic in testing uniformity, (2020), arXiv:2003.11771 [math.ST].
5. Empirical interpretation of the Pitman efficiency, (2022).