

PUBLICATIONS:

1) REFEREED:

1. Klemes, I. *A mean oscillation inequality*, Proc. Amer. Math. Soc. 93, 3 (1985) 497-500.
2. Klemes, V., Klemes, I. and Glynn, J. *Discrete-time linear cascade under time averaging*, Journal of Hydrology, 77 (1985) 107-123.
3. Klemes, I. *Idempotent multipliers of $H^1(T)$* , Can. J. of Math. 39, 5 (1987) 1223-1234.
4. Klemes, V. and Klemes, I. *Cycles in finite samples and cumulative processes of higher order*, Water Resources Research 24, 1 (1988) 93-104.
5. Banuelos, R., Klemes, I. and Moore, C. *An analogue for harmonic functions of Kolmogorov's law of the iterated logarithm*, Duke Math. J. 57, 1 (1988) 37-68.
6. Hare, K.E. and Klemes, I. *Properties of Littlewood-Paley sets*, Math Proc. Cambridge Phil. Soc. 105, (1989) 485-494.
7. Banuelos, R., Klemes, I., Moore, C. *The lower bound in the law of the iterated logarithm for harmonic functions*, Duke Math. J. 60. 3 (1990) 689-715.
8. Hare, K.E. and Klemes, I. *A new type of Littlewood-Paley partition*, Arkiv for Mat. 30, 2 (1992) 297-309.
9. Klemes, I. *A note on Hardy's inequality*, Can. Math. Bull. Vol.36, 4, (1993) 442-448.
10. Hare, K.E. and Klemes, I. *On permutations of lacunary intervals*, Trans. Am. Math. Soc., 347, 10 (1995) 4105-4127.
11. Klemes, I. *The spectral type of the staircase transformation*, Tohoku Math. J., 48 (1996), 247-258.
12. Klemes, I. and Reinhold, K. *Rank one transformations with singular spectral type*, Israel J. of Math., 98 (1997), 1-14.
13. Dooley, A. H., Klemes, I. and Quas, A. N. *Product and Markov measures of type III*, J. Austral. Math. Soc.(Series A) 64 (1998), 84-110.
14. Klemes, I. *Examples of Λ_4 sets E and a graph structure in $E \times E$* , Studia Math. 133 (2) (1999), 101-120.
15. Klemes, I. *Finite Toeplitz matrices and sharp Littlewood conjectures*, Algebra i Analiz, 13 (1) (2001) pp.39-59, (English); English transl., St. Petersburg Math. J., 13 (1) (2002) pp.27-40.
16. Klemes, I. *Alexandrov's inequality and conjectures on some Toeplitz matrices*, Linear Algebra Appl. 422 (2007),no.1, 164-185.

17. Klemes, I. *Symmetric polynomials and l^p inequalities for certain intervals of p* , Houston J. of Math., to appear. 11 pages.
18. Klemes, I. *Polarization of an inequality*. Math. Inequalities and Appl., to appear. 9 pages.

2) PREPRINTS, ARTICLES, REPORTS, etc. :

1. Smith, B., Klemes, I. *Existence of certain uniform subsets of a lattice*, Bell Communications Research Technical Memorandum, TM-ARH-012-890, Morristown, New Jersey, (1988). At B. Smith's suggestion, subsequently re-published as: Klemes, I. *Existence of certain uniform subsets of a lattice*, Dept. of Mathematics and Statistics, McGill Univ. Report 92-10. (1992) 6 pages.
2. Klemes, I. *Existence of some non-uniform subsets of a lattice*, (1988) 29 pages. Unpublished hand-written report on further results related to the previous item. Available on request from the author. This report contains a result referred to by Smith, B., Canad. Math. Bull. 37 (1994), no. 1, 100-111.
3. Klemes, I. *On Two Families of Schur-Concave Symmetric Polynomials*. (Preliminary Report) American Math. Soc. Sectional Meeting, Montreal, May 2002. For abstract see: Abstracts of Papers Presented to the A.M.S., Vol. 23 (2002), No. 3, Issue 129, p. 426, Abs. No. 976-41-38.
4. Klemes, I. *Symmetric polynomials, p -norm inequalities, and certain functionals related to majorization*. Preprint, 43 pages, February 2007. Available at <http://arxiv.org/abs/0806.2686v1> as "arXiv:0806.2686v1 [math.CA]"