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Un algorithme rapide pour le calcul de transformées de Legendre-Fenchel discrètes. (A fast algorithm for the computation of the discrete Legendre-Fenchel transform). (French)

Zbl 0667.65006

C. R. Acad. Sci., Paris, Sér. I 308, No. 20, 587-589 (1989).

A recursive algorithm is introduced to compute the discrete Legendre- Fenchel transform of N real numbers. The computational cost on a sequential machine is $O(N \log N)$.

MSC:

65D15 Algorithms for approximation of functions

Cited in **15** Documents

Keywords:

fast Fourier transform; recursive algorithm; discrete Legendre-Fenchel transform; computational cost