

# Applied Functional Analysis Team



The AFA Team is actually interested by "Operator and Functional Means". We extend the operator mean theory from the case that the variables are positive bounded linear operators to the case that the variables are convex functionals. For instance, (power) arithmetic, harmonic, geometric, logarithmic and their intermediary functional means have been introduced. Extensions of other operator notions, as logarithm, exponential, power iterate, from positive operators to convex functionals, are included. Our functional approach gives, in a fast way, the operator one together with some improvements and new results.

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