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STOCHASTIC KRASNOSEL’SKIĬ–MANN ITERATIONS

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We propose a geometric framework to design a randomly relaxed and stochastically perturbed Krasnosel’skiĭ–Mann algorithm to construct a fixed point of an averaged nonexpansive operator acting on a Hilbert space. Our results extend on several fronts those of the existing literature and, in particular, [1, 2, 4, 5]. Several applications are discussed. This talk is based on [3].

REFERENCES

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