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arXiv:2207.05169v1 [math.OC] 11 Jul 2022

Jul 13, 2022 · 2. The fractional kernel K(t) = tH−12 with H ∈ (0,1 2) satisfies Assumption I with r∈ (2, 2 1−2H) and γ= 2H. We consider, for now, a control set Mwhich is assumed to be a Hausdorff topological space endowed with the Borel σ−algebra B(M).We will assume later more specific conditions on M. Assumption II. 1.

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lous transport processes, where non-local or fractional calculus and fractional PDEs may be the appropriate mathematical language to adequately describe such pheno mena as they exhibit a rich expressivity not unlike that of deep neural networks (DNNs). Over the past two decades, efforts to …