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A linear stochastic differential equation driven by a fractional Brownian motion with Hurst parameter >1/2

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Given a fractional Brownian motion $\,\,\$ (B_{t}^{H})_{t geq 0},, with Hurst parameter $\,\$ 1/2 $\,\$ we study the properties of all solutions of $\,\$ {equation} X_{t}=B_{t}^{H}+int_0^t X_{u}d(mu(u), \;\; 0\leq t(leq 1{equation}) A different stochastic calculus is required for the process because it is not a semimartingale.

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