

## On regularity properties of Bessel flow

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R sum  en anglais We study the differentiability of Bessel flow , where is process of dimension starting from  $x$ . For we prove the existence of bicontinuous derivatives in P-a.s. sense at and we study the asymptotic behaviour of the derivatives at  $x = 0$ . For we prove the existence of a modification of Bessel flow having derivatives in probability sense at . We study the asymptotic behaviour of the derivatives at where is the first zero of .

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