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cases	<table><tr><td>authors</td><td>• Shizan Fang • Tusheng Zhang</td></tr><tr><td>title</td><td>Stochastic differential eqution s with non-lipschitz coefficients:II. Dependence with respect to initial values</td></tr><tr><td>publication_date</td><td>2003-11-04 13:18:45+00:00</td></tr><tr><td>source</td><td>SupportedSources.ARXIV</td></tr><tr><td>journal</td><td>None</td></tr><tr><td>volume</td><td></td></tr><tr><td>doi</td><td></td></tr><tr><td>urls</td><td>• http://arxiv.org/pdf/math/0311034v1 • http://arxiv.org/abs/math/0311034v1 • http://arxiv.org/pdf/math/0311034v1</td></tr><tr><td>id</td><td>id-752433718375143560</td></tr><tr><td>abstract</td><td>The existence of the unique strong solution for a class of stochastic differential equations with non-Lipschitz coefficients was established recently. In this paper, we shall investigate the dependence with respect to the initial values. We shall prove that the non confluence of solutions holds under our general conditions. To obtain a continuous version, the modulus of continuity of coefficients is assumed to be less than $\dis \|x-y\|\log\{1\over\|x-y\|\}$. In this case, it will give rise to a flow of homeomorphisms if the coefficients are compactly supported.</td></tr><tr><td>versions</td><td></td></tr></table>	<table><tr><td>authors</td><td>• Shizan Fang • Tusheng Zhang</td></tr><tr><td>title</td><td>Stochastic differential equations with non-lipschitz coefficients: I. Pathwise uniqueness and large deviation</td></tr><tr><td>publication_date</td><td>2003-11-04 12:30:12+00:00</td></tr><tr><td>source</td><td>SupportedSources.ARXIV</td></tr><tr><td>journal</td><td>None</td></tr><tr><td>volume</td><td></td></tr><tr><td>doi</td><td></td></tr><tr><td>urls</td><td>• http://arxiv.org/pdf/math/0311032v1 • http://arxiv.org/abs/math/0311032v1 • http://arxiv.org/pdf/math/0311032v1</td></tr><tr><td>id</td><td>id-2885620410144952530</td></tr><tr><td>abstract</td><td>We study a class of stochastic differential equations with non-Lipschitzian coefficients.A unique strong solution is obtained and a large deviation principle of Freidln-Wentzell type has been established.</td></tr><tr><td>versions</td><td></td></tr></table>	NOT DUPLICATES	506