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We discuss suitable classes of diffusion processes, for which functionals relevant to finance can computed via Monte Carlo methods. In particular, we construct exact simulation schemes for processes from this class. However, should the finance problem under consideration require e continuous monitoring of the processes, the simulation algorithm can easily be embedded in a multilevel Monte Carlo scheme. We choose to introduce the finance problems under the bench approach, and find that this approach allows us to exploit conveniently the analytical tractabilit these diffusion processes.	ce can be math or math re e.g. q- in a	ange to browse b fin.CP	
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