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**Tube estimates for  
Asian type stochastic differential equations**

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We consider diffusions linked in particular with the Asian option set up. Under local weak Hörmander conditions on the coefficients, we find Gaussian estimates for the density in short time and exponential lower and upper bounds for the probability of the diffusion to stay in a small tube around a deterministic trajectory (skeleton path), explicitly depending on the ray of the tube and on the energy of the skeleton path. We use a norm which reflects the anisotropic structure of the problem, meaning that the diffusion moves in  $\mathbb{R}^2$  with different speeds in the directions  $\sigma$  and  $[b, \sigma]$ . We establish a connection between this norm and the standard control distance.