Stochastic of Finance Lecture 4

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1	. Recap	1				
2	Content 2.1 Sample path properties of Brownian Motion	1				
1	Recap					
2	2 Content					
2	2.1 Sample path properties of Brownian Motion					
	Definition 1					
	Holder continuous					
	$f:[0,T]\to\mathbb{R}$ is uniformly Holder continuous with exponent $0<\gamma\leq 1$ if $ f(s)-f(t) \leq k s-t ^{\gamma}$ for all $s,t\in[0,T].$	l 				
	Definition 2					
	Holder continuous at some point.					
	f is Holder continuous at point $s_0 \in [0,T]$ if $\exists k$ such that $ f(t)-f(s_0) < k t-s_0 ^{\gamma}$ for all $t \in [0,T]$.					