

how to find the level crossing rate?

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Hi all,

I have a stationary random process with zero mean $x(t)$, let's define the level crossing rate to be

$LCR = \lim_{T \rightarrow 0} E\{N_a(T)\}/T$ as $T \rightarrow 0$...

where $N_a(T)$ is the number of the level crossings in the time interval T ...
i.e. the times that the random process $x(t)$ passing through the level $x(t)=a$...

How should I find LCR analytically? It may be difficult... are there any well-known results for simple random processes, such as ON-OFF process, or Gaussian, etc?

Any ideas?

Thanks a lot!