

<u>Course</u> > <u>Lecture 5</u> > <u>Lecture Videos 5</u> > Quiz 5.3: Poisson Process	
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Homogeneous Poisson Process	这道题很tricky,因为是poisson process,所以不是用T = 1/F
O points possible (ungraded) A spike train is generated by a homogenous Poisson process with rate 25H:	with time steps of 0.1 ms. Survivor function $S(t \hat{t}) = \exp(-\int_{\hat{t}}^{t} \rho(t'))$
The most likely interspike interval is 25 ms.	Interval distribution $P(t \hat{t}) = \rho(t) \exp(-\int_{\hat{t}}^{t} \rho(t))$
The most likely interspike interval is 40 ms.	
☐ The most likely interspike interval is 0.1 ms. ✔	
We cannot say.	
×	
Submit You have used 1 of 1 attempt	t
Answers are displayed within the problem Inhomogenous Poisson Process	
nhomogenous Poisson Process Opoints possible (ungraded) A spike train is generated by an inhomogenous Poisson process with a rate petween 0 and 50Hz (mean 25Hz). A first spike has been fired at a time whe	
nhomogenous Poisson Process points possible (ungraded) spike train is generated by an inhomogenous Poisson process with a rate etween 0 and 50Hz (mean 25Hz). A first spike has been fired at a time when the most likely interspike interval is 25 ms.	n the rate was at its maximum. Time steps are 0.1ms.
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