

Quiz Problem 13
Due Dec. 9th, 11:59 pm EST

Problem.

Let $X_1 \sim \text{Exponential}(\lambda_1)$ and $X_2 \sim \text{Exponential}(\lambda_2)$ and assume that X_1 and X_2 are independent. Let $U = X_1/X_2$ and $V = X_2$. Find the joint distribution of U and V .

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