

IMM - DTU

02405 Probability

2005-5-12

BFN/bfn

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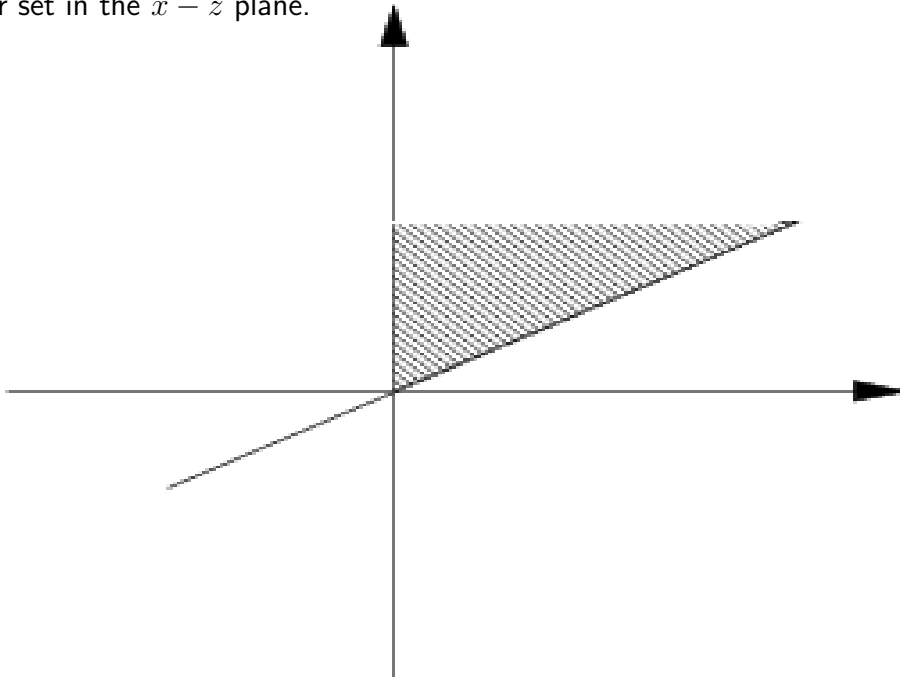
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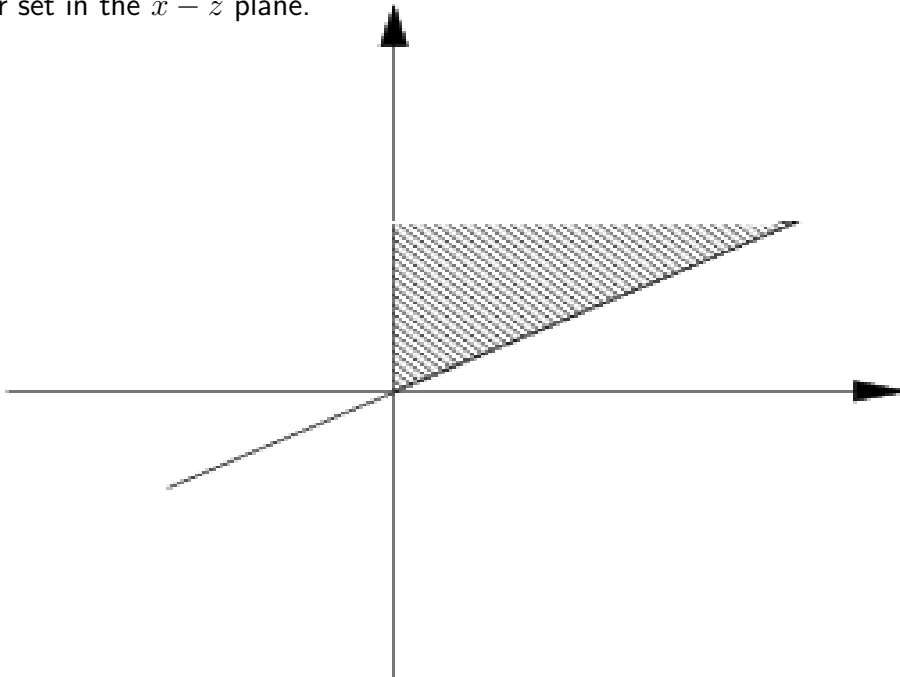
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Using the rotational symmetry we find the probability to be

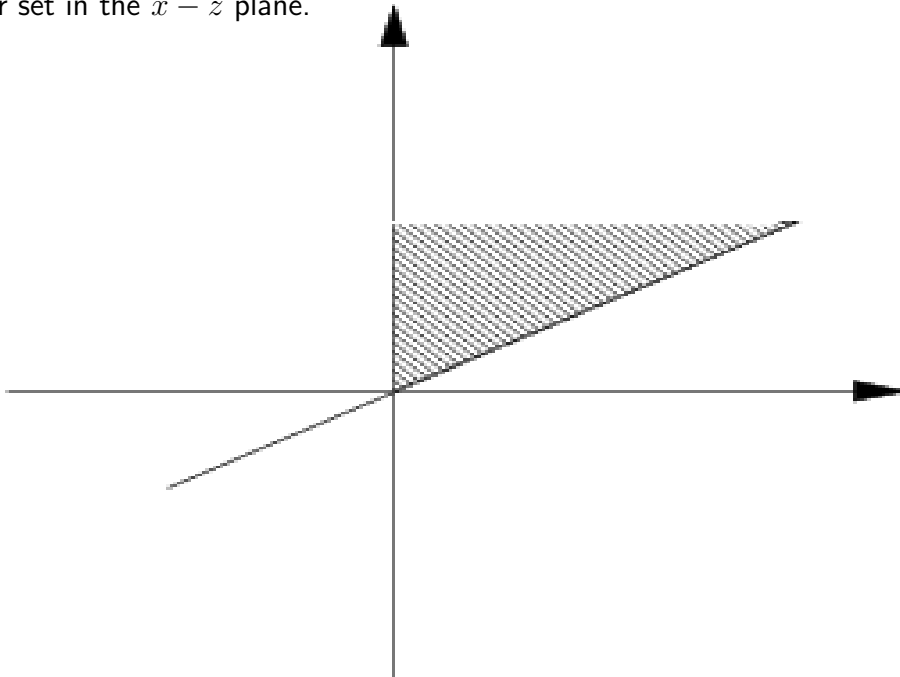
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Using the rotational symmetry we find the probability to be $\frac{60}{180}$

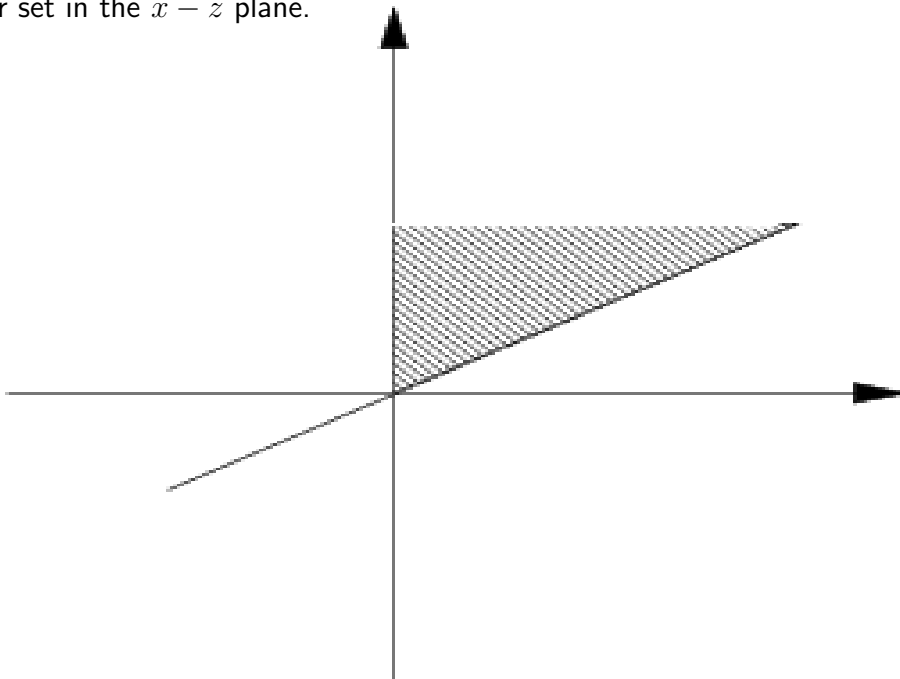
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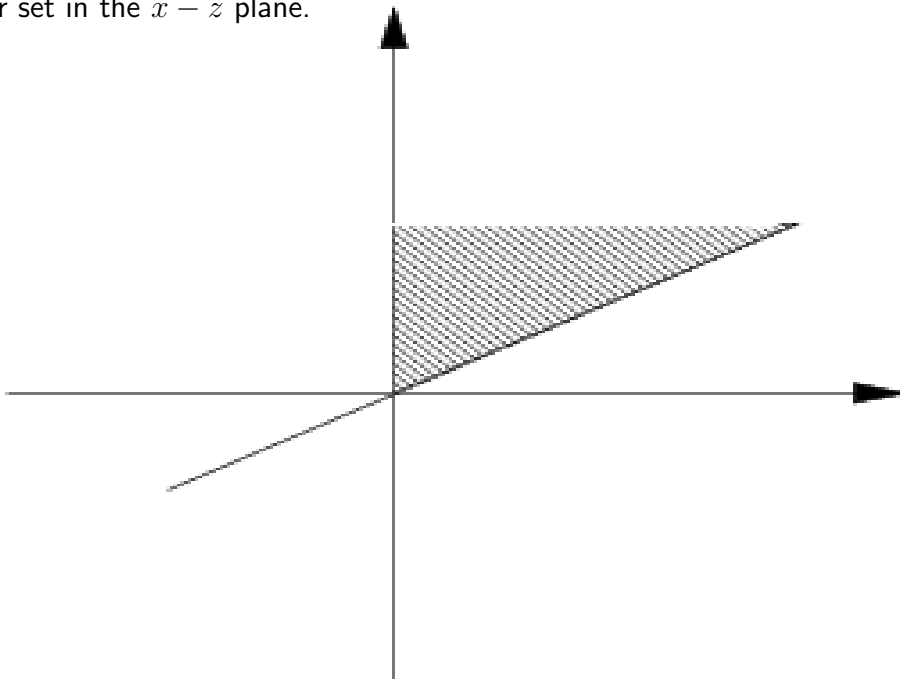
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where (X, Z) are bivariate normal and independent. The shaded area in the figure is the proper set in the $x - z$ plane.



Using the rotational symmetry we find the probability to be $\frac{60}{180} = \frac{1}{3}$ or $\frac{\frac{60}{\frac{1}{2}}}{360}$

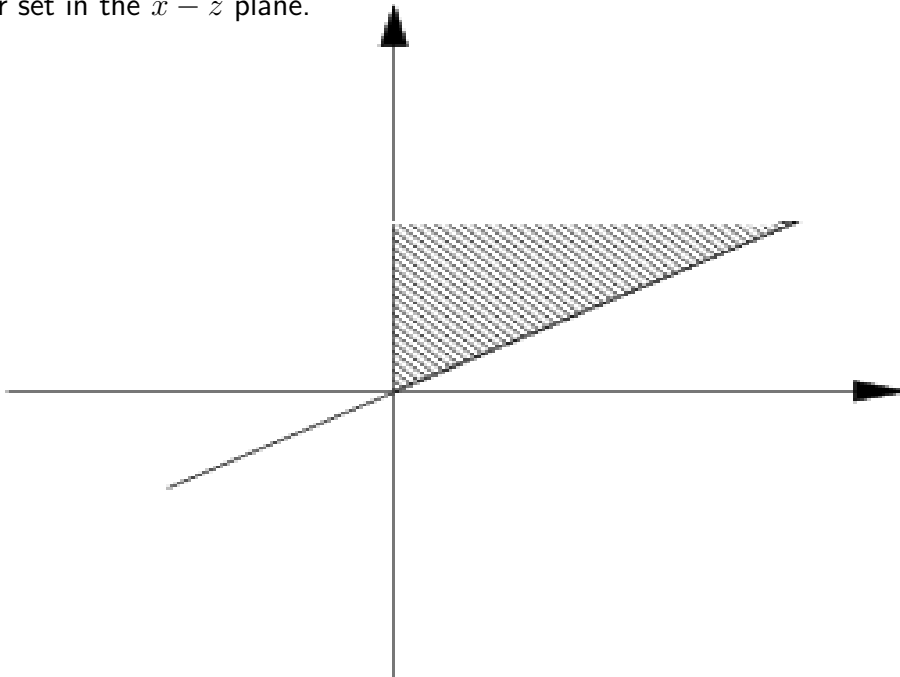
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where (X, Z) are bivariate normal and independent. The shaded area in the figure is the proper set in the $x - z$ plane.



Using the rotational symmetry we find the probability to be $\frac{60}{180} = \frac{1}{3}$ or $\frac{60}{\frac{360}{2}} = \frac{1}{3}$.