## Lebesgue Integration and Probabilities

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1	Measures on a product space	
1.1	Product of measurable spaces	
$(E_1, The$	If 1.1 (Product of measurable spaces). $(\mathcal{E}_1), \ldots, (E_n, \mathcal{E}_n)$ : measurable sp. In the product measurable space is a measurable space $(E_1 \times \cdots \times E_n, \sigma(\mathcal{E}_1 \times \mathcal{E}_n))$ .	<