Del A

Milton & Arnold, Chapter 1, OH no 1

Definition 1.2.1: Sample space and sample point

A sample space for an experiment is a set S with the property that each physical outcome of the experiment corresponds to exactly one element of S. An element of S is called a sample point.

Definition 1.2.2: Event

Any subset A of a sample space S is called an event. The emptyset \emptyset is called the *impossible* event; the subset S is called the *certain* event.

<u>Träddiagram</u> Se exempel 1.2.1 och 1.2.2, sida 6

 $\frac{\rm Venn\, diagram}{\rm Se \ t.ex \ figur \ 2.1, \ 2.2 \ och \ 2.3, \ sida \ 27-29}$

Definition 1.2.3: Mutually exclusive events

Two events A_1 and A_2 are mutually exclusive if and only if $A_1 \cap A_2 = \emptyset$. Events A_1, A_2, A_3, \ldots are mutually exclusive if and only if $A_i \cap A_j = \emptyset$ for $i \neq j$.

Se exempel 1.2.4, sida 9 $\,$



