



Math for the people, by the people.

locus

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Locus (from Latin *locus* ‘’) is a set of points satisfying a certain condition and such that no point outside the set satisfies this condition.

For example, in the plane the locus of such point that is at a fixed distance r from a fixed point O is the circle with centre O and radius r ; the locus of such point which is equidistant from both ends of a line segment is the perpendicular bisector of this line segment.

In general, the loci in the plane are geometric curves; thus one may speak of *locus curves*.