



Math for the people, by the people.

(partial) linear space

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A *partial linear space* is a pair (P, L) consisting of a set P of points and a set L of lines such that

- every line contains at least two points, and
- any two distinct points are on at most one line.

If, in addition, any two distinct points are on at least one line, then (P, L) is called a *linear space*.