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partition

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Let $a, b \in \mathbb{R}$ with a < b. A partition of an interval [a, b] is a set of nonempty subintervals $\{[a, x_1), [x_1, x_2), \dots, [x_{n-1}, b]\}$ for some positive integer n. That is, $a < x_1 < x_2 < \dots < x_{n-1} < b$. Note that n is the number of subintervals in the partition.

Subinterval partitions are useful for defining Riemann integrals.

Note that subinterval partition is a specific case of a http://planetmath.org/Partitionpartiti of a set since the subintervals are defined so that they are pairwise disjoint.