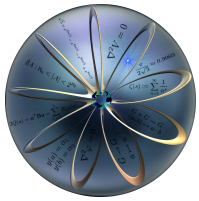

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semimetric

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A semimetric on a set X is a function $d\colon X \times X \to \mathbb{R}$ which satisfies:

1. $d(x, y) \geq 0$
2. $d(x, y) = 0$ if and only if $x = y$;
3. $d(x, y) = d(y, x)$.

A semimetric differs from a metric in that the triangle inequality is not required to hold.