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locally connected

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Defines	locally path connected

A topological space  $X$  is *locally connected* at a point  $x \in X$  if every neighborhood  $U$  of  $x$  contains a connected neighborhood  $V$  of  $x$ . The space  $X$  is *locally connected* if it is locally connected at every point  $x \in X$ .

A topological space  $X$  is *locally path connected* at a point  $x \in X$  if every neighborhood  $U$  of  $x$  contains a path connected neighborhood  $V$  of  $x$ . The space  $X$  is *locally path connected* if it is locally path connected at every point  $x \in X$ .