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simplicial approximation

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Let K and L be simplicial complexes and $f : |K| \rightarrow |L|$ be a continuous function. A simplicial mapping $g : |K| \rightarrow |L|$ which is homotopic to f is called a *simplicial approximation* of f .

For example, suppose that L is the closure of an n -simplex and a_0 is a vertex of L . Let f be a continuous map of $|K|$ to $|L|$ where K is some simplicial complex. Then the map g that sends all of K to a_0 is a simplicial approximation of f .