



### Definition

A function is quasiconcave if its result on any point of a line segment is larger than its result on either of the endpoints.

### Notation

A function  $f : \mathbf{R}^n \rightarrow \mathbf{R}$  is quasiconcave if  $f(v) \geq \min\{f(w), f(z)\}$  for all  $v$  on the line segment  $[w, z]$ .



