

second derivative

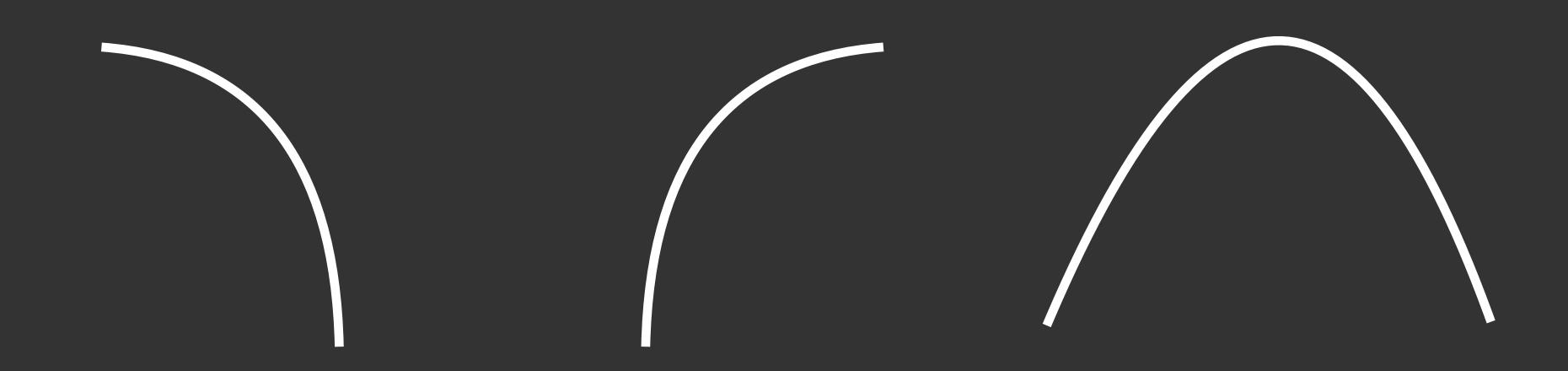
The geometric interpretation of f'':

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2. If f''(x) < 0 then the slope of the tangent line is decreasing in value \implies if f'(c) = 0 and f''(c) < 0, then around c, f(x) is a hump \implies we can expect a local maximum value of f at c

possible shapes:



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