H16. 
$$f:\mathbb{R}^2 \to \mathbb{R}^2 \to \mathbb{R}^2$$
,  $f(x,y) = \begin{cases} \frac{x^4 - y^4}{2(x^4 + y^4)} \\ 0 \end{cases}$   $(x,y) \neq 0$ 

ak = ( 1 ,0), KENX , ak - Glad elms Folge

$$\lim_{\kappa \to \infty} b\kappa = (0,0) = 0$$

$$\lim_{\kappa \to \infty} b\kappa = \frac{(0,0) = 0}{[\frac{1}{\kappa}]^{4} - [\frac{1}{4}]^{4}} = 0$$

$$\lim_{\kappa \to \infty} f(b\kappa) = \frac{[\frac{1}{\kappa}]^{4} - [\frac{1}{4}]^{4}}{2(\frac{1}{\kappa})^{4} + (\frac{1}{\kappa})^{4}} = 0$$

lu f (6") † film (a") This f-water Gunzwert bei Oz & f-widet stots

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