

	houdition (tollar verstärkeings falktor)
	Kondition des Gandredenarten
	Eingelædolen = $\tilde{X} = X(A+EX), \tilde{Y} = Y(A+EY)$
	relative Kondition: X o y - x o x Z X x E + 0 (2
	0=+,/ [x 0 x]
	Multiplikation: Krel=2 2 Feller wind verdoppell Disision: Krel=2
	Disision: K rel = 2
	Addition Knew -> Felices black voice somes
	Subhabion Kod- XI + IXI
	(x-x)
	x+y-x+y = x-x+y-y $ x+y-x+y = x-x+y-y $ $ x+y-y $
	ducide = [x \in x + y \in y]
100	[x31 K1 + 1x311x] =
	2 [X+Y] E
Kou	ution you Fundations answertungen
	absolute Kondition in Xo , Eingabofello E-1x, -x)
	1f(x0)-f(x) 1 ≤ Kolos (x0-x1+0(1x0-x1)
.(differentialisation: Kabs = 1 ((x0))
- (lips Dute stetig: Kabs = L
	geschaellelle Funktion: ((xo)= g(h(xo))
	Kabs (f, xo) & & Kabs (g, h(xo)) - Kabs (h, xo)

relative Kondition: an de Stelle Xo: $\frac{|f(x_0) - f(x)|}{|f(x_0)|} \leq K_{rel} \frac{|x_0 - x|}{|x_0|} + \mathcal{O}(|x_0 - x|)$ Satz: Krel = 1 xol . Kabs 6 Herletung 1: 1f(x0) :/x0) $|f(x_0)-f(x)| \leq$ Kobs | Xo-X 1((x0)-((x)) \(\sigma\) \(\frac{1}{6}\) \(\fra (cs) fa) = ax = ist diffbar Kabs = a Krel = 1