

100		[DEB0]	400 f\$="420 def fn f(x)="b\$	[56AA]
110	'Nullstellenprogramm mit Errorbearbe		410 CALL &A000,@f\$	[89BC]
	itung fuer CPC 464	[DBE4]	420 DEF FN f(x)=x^2-3	[765A]
120		[E0B4]	430 LOCATE 1,9:PRINT"f(x) = "b\$;CHR\$(18)	[77B0]
130	'(C) 1986 by Dirk Haltermann	[B76C]	440 LOCATE 1,11	[879E]
140	Lueftlbergstr. 1	[7900]	450 ON ERROR GOTO 690	[A530]
150	8390 Passau	[3C7C]	460 INPUT"Untergrenze<2>";u	[942E]
160		[04BC]	470 INPUT"Obergrenze<3>";o	[AD5B]
170	'Basiczeilen - Generator	[E1B8]	480 INPUT"Schrittweite ";s	[91BA]
180		[06C0]	490 LOCATE 1,15:PRINT"Nullstellen bei: "	
190	MEMORY &9FFF	[8AC8]		[E3B4]
200	FOR i=1 TO 2000:NEXT:FOR b=&A000 TO		500	[06BB]
	&A01C	[D3E6]	510 'Vorzeichenwechsel feststellen	[255C]
210	READ d\$:b\$="&"	[59BC]	520	[08BC]
220	POKE b,VAL(b\$+d\$):NEXT	[FFEE]	530 IF FN f(u)>0 THEN f=1 ELSE f=0	[9168]
230	DATA FE,01,C0,EB,4E,06,00,23	[9F5A]	540 u=u+s	[2BFC]
240	DATA 5E,23,56,21,A4,AC,EB,ED	[D9B4]	550 FOR x=u TO o STEP s	[5D5B]
250	DATA B0,97,12,21,A4,AC,CD,00	[BC5A]	560 IF FN f(x)>0 THEN g=1 ELSE g=0	[5F78]
260	DATA B9,CD,bc,e6,C9	[B000]	570 IF f<>g THEN 620 ELSE NEXT	[F1C2]
270		[E3C0]	580 PRINT"Fertig !":CALL &BB18:GOTO 300	[FCBE]
280	'Nullstellenberechnung: Sehnenverfah		590	[0DCA]
	ren	[F920]	600 'Sehnenverfahren Regula falsi	[689C]
290		[ADC4]	610	[0DBC]
300	MODE 2:INK 0,0:INK 1,26:BORDER 0	[4676]	620 u=x:x1=x-s:x2=x	[D966]
310	LOCATE 30,2:PRINT"Nullstellenprogram		630 WHILE x2<>x1	[7A3E]
	m"	[C69E]	640 x3=x1-FN f(x1)*(x2-x1)/(FNf(x2)-FNf(x1))	[6B3A]
320	LOCATE 1,5:INPUT"Haben Sie schon ein		650 x2=x1:x1=x3:WEND:PRINT x1;" ";GOTO	
	e Funktion eingegeben (j/n)";a\$	[702E]	530	[C026]
330	LOCATE 17,15:PRINT CHR\$(18);CHR\$(18)		660	[72C6]
		[FCB6]	670 'ERROR - Bearbeitung	[F786]
340	IF a\$="j" THEN 420	[68B6]	680	[E4CA]
350	LOCATE 1,7:PRINT"Geben Sie bitte die		690 IF ERL=530 THEN u=u+s ELSE u=x+s	[C816]
	Funktion ein: f(x) =";CHR\$(18)	[5202]	700 RESUME 530	[1280]
360	LOCATE 42,7:LINE INPUT b\$	[4F24]		
370		[E3C2]		
380	'Funktion einbauen	[5D2E]		
390		[09C6]		