26) K=14-12-13 porigbere substitutionale FKT.
1=1.1.1 bein Fabriar starf of version

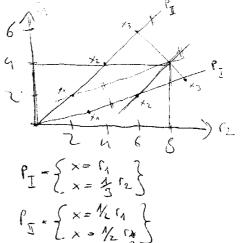


b) {x=1,} limitaliand linear she ?
$$\frac{1}{12} = \frac{x}{2} = 2 = const.$$

$$\frac{C_1}{C_2} = \frac{C_1}{x} = \frac{C_2}{x} = \frac{1}{x} = \frac{1}{x$$

$$\int \left\{ \left\{ \left\{ \left\{ -\frac{1}{2} \right\} \right\} \right\} \right\} = 1 = const.$$

most linear well 3



$$X = \frac{1}{2} (z + 2 \sqrt{r_A + r_L})$$

$$X = \frac{1}{2} (z + 2 \sqrt{r_A + r_L})$$

$$x = \frac{1}{2} (z + 2 \sqrt{r_A + r_L})$$

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$$x = \frac{1}{2} (z + 2 \sqrt{r_A + r_L})$$

$$x = \frac{1}{2} (z$$

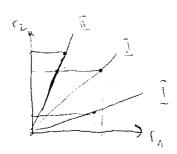
3)
$$\times = 2^{-\Gamma_{\Lambda} \Gamma_{L}}$$
 $\times = 2^{-(\mu \Gamma_{\Lambda})(\mu \Gamma_{L})} = \mu^{2} \cdot 2^{\Gamma_{\Lambda} \Gamma_{L}} = \mu^{2} \cdot \times_{c}$

Nonogenitely square $C = 2$
 $C > 1 \Rightarrow \text{olographe} \mid_{-\rho \Lambda} \Rightarrow \text{much als } 2^{\Gamma_{R} \cap \rho \Lambda}$
 $C < 1 \Rightarrow 0$
 $C < 1 \Rightarrow 0$

b)
$$x = 3r_1^2 + 2r_1r_2$$
 $x = 3(\mu r_1)^2 + 2(\mu r_1)(\mu r_2) = \mu^2 \times_0 \Rightarrow C = 2$
 $4 \times_0 = 5r_1 + 5r_1r_2$ $4 \times_0 = 5\mu r_1 + 5\mu^2 r_1r_2$ $4 \times_0 = 5\mu^2 r_1r_2$

Drockselm Wagnadukalini did

$$AP_{\Lambda} = \frac{x - \overline{z}}{r_{\Lambda}} = \frac{2r_{\Lambda}^{2} + 3r_{L}^{2} + 40r_{\Lambda}r_{2} - 3r_{L}^{2}}{r_{\Lambda}} = 2r_{\Lambda} + \Lambda 0r_{2}$$



I ger whall

Kosden

Thenge & Beis

SSP & 2

$$N_1 = 2$$
, $84r_2 + 30r_1 = 40r_1 + 150r_2 = 91.71R = 92.71P_1 = 92 = 71P_2$
 $r_1 = \frac{66}{50} r_2 = 1,32r_2 = 1 \text{ in 3.} einsetzen$

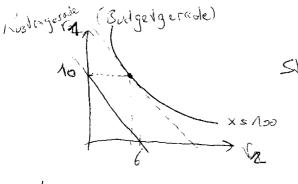
$$2 \cdot (1.32 \cdot r_2)^2 + 7 \cdot r_2^2 + 15 \cdot (1.32 \cdot r_2^2) = 100$$

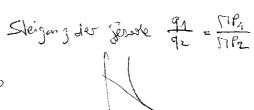
$$r_2 = 1.817$$

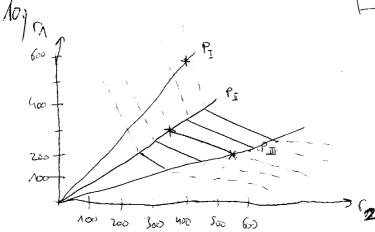
$$r_4 = 2.74$$

$$K(x=100) = 6.2,4+10.1,817 = 32,56$$

 $k = K = 0.3256 GE$







$$300 = 350 + 1$$
 $200 = 550 + 1$

$$100 = -200 = 100$$

$$f_{A} = 475 - 0.5 \, r_{2}$$

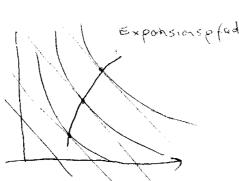
nur f_{3} r $200 \le r_{1} \le 300$
 $350 \le r_{2} \le 550$

Scenerale Alm Substitution RTS, 2 = 1/17 = 1

150 12) x= 1 1 9=36

 $K = 36.7 = 36.36 \times^{2} = (36x)^{2}$. Skiefing of Exponointy fold





25398

14y
$$K = 160 \Rightarrow 160 \times 06 \times 600$$
 Marklyneis 9065
 $G = E - K = 90 \times - 12000 - 60 \times = 30 \times -12000$
 $G = 160 \Rightarrow 160 \times 1600$
 $G = 160 \Rightarrow 160 \times 1600$
 $G = 160 \Rightarrow 160 \times 1600$

A5y
$$x = 4 \cdot c_1 \cdot c_2$$
 $q_1 = A$ $q_2 = A$
 $q_1 = 3$
 $q_1 = 3$
 $q_2 = 3$
 $q_3 = 4 \cdot c_1 \cdot c_2$
 $q_4 = A$
 $q_5 = 3$
 $q_5 = 4 \cdot c_5 \cdot c_2$
 $q_5 = 3 \cdot c_4 \cdot c_5 \cdot c_5$
 $q_5 = 3 \cdot c_5 \cdot c_5 \cdot c_5 \cdot c_5$
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 $q_5 = 3 \cdot c_5 \cdot c_5 \cdot c_5$
 $q_5 = 3 \cdot$

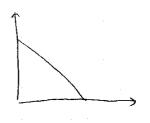
$$9 k(8) = x^{2} - 24x + 197 \cdot \frac{14}{x} = 2x - 24 - \frac{14}{x^{2}} = 6$$

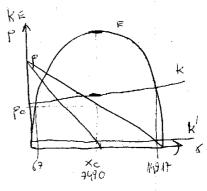
$$\times_{\text{Beariebs}} = 12,05$$

$$k_V = x^2 - 24x + 197$$

 $2x - 24 \implies x = 12 \dots \times \text{Bedriehsmin}$

17.)
$$p = 320 - 0,02 \times$$
 $P = 9 \times = p(x) \times = 300 \times -0,02 \times^{2}$
 $k = 20.000 + 0.9 \times$





$$300x - 0.02x^2 = 20000 + 0.4x$$

 $x^2 - 14980x + 1500 = 9$
 $x_{1,2} = 67$
 $x_{1,2} = 67$
 $x_{1,2} = 67$

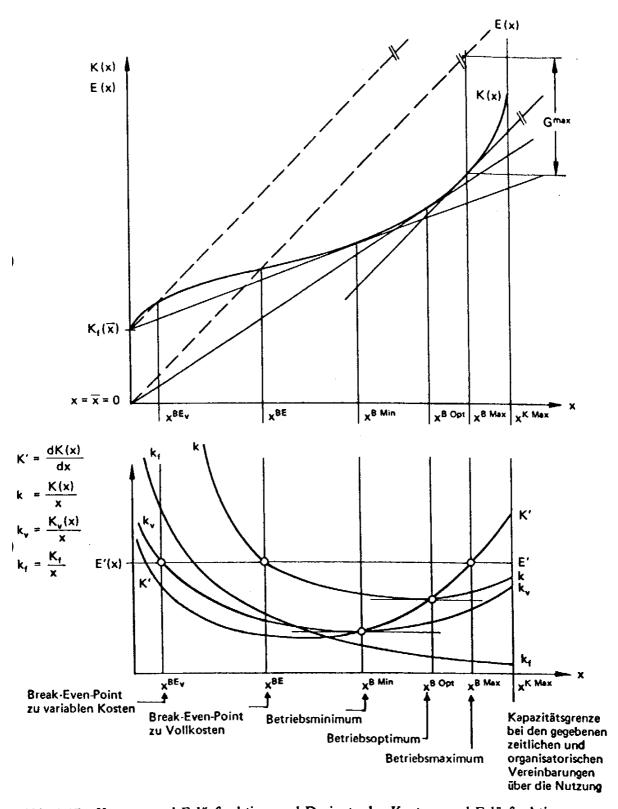


Abb. 1.17. Kosten- und Erlösfunktion und Derivate der Kosten- und Erlösfunktion

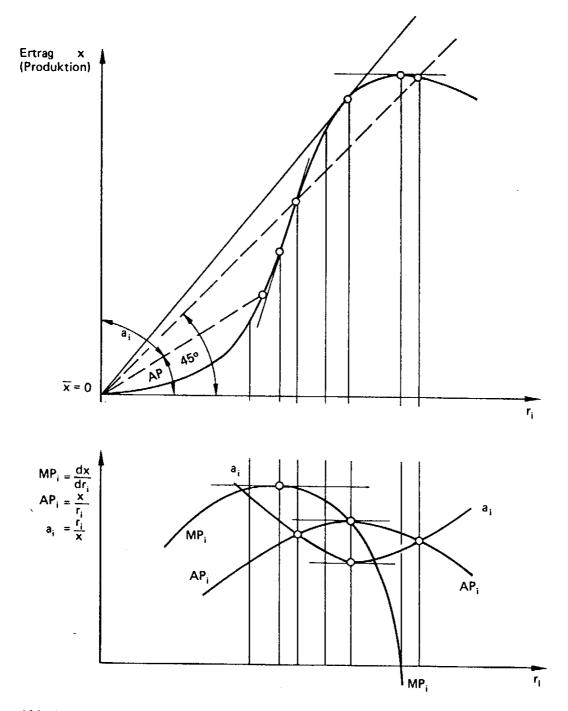


Abb. 1.16. Produktionsfunktion vom Typ A bei partieller Variation des Faktors r_i und Derivate ($\bar{x} = 0$ bedeutet, daß keine Produktion ohne r_i möglich ist)

18)
$$J: p = 800 \quad x = 1460 \quad k = 960.000$$
 $I: p = 920 \quad x = 1250 \quad k = 90000$
 $I: p = 920 \quad x = 1250 \quad k = 90000$
 $I: p = 920 \quad x = 1250 \quad k = 90000$
 $I: p = 920 \quad x = 1250 \quad k = 90000$
 $I: p = 920 \quad x = 1250 \quad k = 1920$
 $I: p = 920 \quad x = 1250 \quad k = 1920$
 $I: p = 920 \quad x = 1250 \quad k = 1920$
 $I: p = 920 \quad x = 192$

20)
$$K = 5000 + 20x$$
 $P = 200 - x$
 $E' = K'$
 $200 - 2x = 20$
 $x = 90 \implies p_c = 440 \implies G_c = 9900 - 6800 = 3400$

b) heres $K = 2500 + 20x$
 $x_c = 90 = c = 440$
 $C_c = 9900 - 4300 = 5600$
 $C_c = 9000 - 4300$
 $C_c = 9000 - 4300$

22.
$$v(d) = 2 \cdot (d-3)^2 - 3 \cdot d \cdot 1.45$$

b) $kv(d) = 10(d-3)^2 - 1.5d + 75$
 $kv(d) = 20(d-3) - 1.5 = 0 = 0.000$
 $kv(d) = 20(d-3) - 1.5 = 0 = 0.000$
 $kv(d) = 20(d-3) - 1.5 = 0 = 0.000$
 $kv(d) = 20(d-3) - 1.5 = 0 = 0.000$
 $kv(d) = 20(d-3) - 1.5 = 0 = 0.000$
 $kv(d) = 20(d-3) - 1.5 = 0 = 0.000$
 $kv(d) = 20(d-3) - 1.5 = 0.000$

$$\frac{1}{1000} = \frac{1}{100} \Rightarrow \frac{1}{100} = \frac{1}{100} \Rightarrow \frac{1}{100} = \frac{1}{100} \Rightarrow \frac{1$$

$$V = \sqrt{(d_{rr})^{-1}} \times \sqrt{(d_{r$$

$$29) q = \sqrt{\frac{26.40}{26}} \approx 45.54,$$

$$m = \frac{26.40}{236} = 11.54,$$

$$k = 100.260 + 26.45 + 26.45 + 260.464 = 28203$$

$$30) q = \sqrt{\frac{2.60.45}{5}} \approx 250.54k.$$

$$m = \frac{1040.44}{365} \approx 40.54k.$$

$$KU_{3} = -80 + 20 \cdot (\Lambda_{1}^{1} + 40 \cdot \Lambda_{1}^{2} + 50 \cdot \Lambda_{1}^{3}) = 8805$$
 $KU_{3} = -80 \cdot 1/1^{3} + 20 \cdot \Lambda_{1}^{2} + 400 \cdot \Lambda_{1}^{3} + 50 = M720 = 8805 \cdot 1/1^{3}$

S;
$$KU_0 = \beta = -80 + 20 \cdot (1/4)^{-1} + 40 \cdot (1/4)^{-2} + 50 \cdot (1/4)^{-3}$$

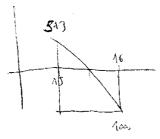
$$w = 15\% \implies KU_0 = 5/3$$

$$p = 16\% \implies KU_0 = -1000$$

$$\Rightarrow P = 15,339\%$$

$$x = 0,339$$

$$x = 0,339$$



6.5

$$KU_A = 7575,25$$
 $KW_0 = 5785,12$

$$A_{nn} = K \omega \cdot \frac{(\Lambda + r)^{n} \cdot r}{(\Lambda \cdot r)^{n} - 1}$$

$$A_{nn} = 7575,25, \frac{(\Lambda, 1)^{3} \cdot o_{1} \cdot 1}{\Lambda, \Lambda^{3} - 1} = 3045$$

$$A_{nn} = 15785, \Lambda 2. \frac{(\Lambda, 1)^{3} \cdot o_{1} \cdot 1}{\Lambda, \Lambda^{2} \cdot o_{1} \cdot 1} = 3333$$

2 A 2 3 4 5 6 2 A 2 3 4 5 6 70 25 30 40 25 30 40

$$KU_{2A} = 7575,25 + 7575,25. A_1A^{-3} = A3263$$
 $KU_{3/3} = 5785,AZ + 5985,AZ. A_1A^{-2} + 5985,AZ. A_1A^{-4} = A457A,5$
 $\Delta m_{2A} = A3263. \frac{A_1A^{6}.o_1A}{A_1A^{6}A} = 3045$
 $\Delta m_{3B} = 3333$

$$0 = -(10 + 20 \cdot (1))^{-1} + 30 \cdot (1) + 30 \cdot (1)^{2} = -hc$$

$$0 = (1)^{2} - \frac{1}{2}(1) + \frac{1}{4} \Rightarrow (1)^{2} = 1,1544 \Rightarrow p = 0,1544 \Rightarrow 15,44\%$$

$$8^{2} = 1,1543 \Rightarrow 15,43\%$$

interner Zinsfort ist mod kaingt un Zeitværschiebungen iber sehr sens tel suf unkomplette Zellungsströhe (3 michts veglessen)

44) A: -250 100 100 100 70 = 34670

B: -600 250 200 200 200 200 = 52 M3

B-A -350 150 100 100 130
$$\rightarrow$$
 19443

1000 = -350 150 (100) + 100 (140) + 100 (100) + 100

AD. S.

AD. S

0 1 2 3 4 5

Rickzahlungsink 104519 Jo4619 304549 J04519 304549

Rinsen 1021000 84786 66108 45844 23857

Tilgung 202519 219733 238411 288675 280682

Berlichtly 2 997481 777748 539337 28066 0

Skeererse, Jose 25436 18832 13753 7157

K=18,45 %
Bei Zusserdit unter 18,45 => Krest Dufrehre und Deufe

$$\frac{1}{48} \frac{51}{4000} \frac{52}{0} = 10000$$

$$= 2 \frac{1000}{1000} \frac{52}{0} = 10000$$

$$= 2 \frac{1000}{1000} \frac{1000}{1000} = 10000$$

200.10 = x = 14142