N+1 vektorwertige Nebenbedingungen => N+1 vektorwertige Lagranger Milhol. Xorribu E) Lagrange-Funktion:

2(xon, aoin1, 50:0) =] + (c-xo) - yo + = (7 k(xx ax) - xrm). yru

= nx enda. NB

Def: Hemeston - Furthern

Hk (xk, ak, Nin) = &k (xk, ak) + bk (xk, ak) Tx

15 1 (xo. v. ao. v-1 Do. w) = gn(xw) + (c-xo) 20 + 20 (+ k-xini) kin) Losing des Ophisongepro Hens

- Ablesting bagl. Xn:

mit oxx = 0 folgot: ZN=gN(XN)

Nk = gh(XN, gh) + hk(X1, 2,)T. I has, (LEO, ..., N-1)

() Rischwirterchurson für 1/2 k

- Ablading begl ak:

3 au = van Hu (xu, au, hure) - van gu (xwan) + (van hu (xwan)) hux

Ho Nothande Bedongery for ever Himmony von Hk Sigl ak Addeding begl. Ik.

3 pm = 3 mm +m - xm = mm - (xm - 1 1 1 - 0

Ly Lyruge M. W. expresse dem Grebet do witefulter begl X4

[AM] "Trajdtoerverfolgsgepoblem"

Ableang seg. $\times k$ $3k = \frac{3}{3x_{k}} \left(\Omega_{k} (x_{k} - x_{k}^{2})^{2} + R_{k} \alpha_{k}^{2} \right) = 2 \cdot \Omega_{k} (x_{k} - x_{k}^{2})$ $3k = \frac{3}{3x_{k}} \left(\Omega_{k} (x_{k} - x_{k}^{2})^{2} + 2 \cdot \Omega_{k} \cdot (x_{k} - x_{k}^{2}) \right)$ $4k = \frac{3}{3x_{k}} \left(A_{k} \cdot x_{k} + R_{k} \cdot \alpha_{k} \right) = A_{k}$

Ablestong bogs. and:

gh = 30/2 (2/2-1/2)2 + Rhan2) = 2Rh-and

ha = Th

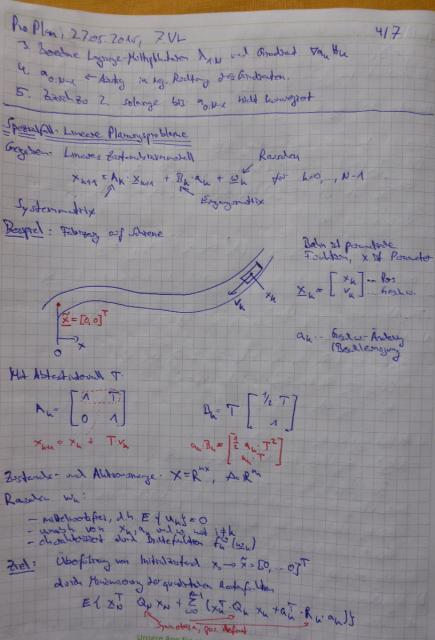
Deobachturg: Lineares Barkundsmunandell, quadraticle Kasten
LS Hu III konvan bogs au (for feder Xu, Mun)
LS Natur Dedayory III and harrestand
LS brounder shie, hopel globales Minsur (optimile Carry)

b) Algorithmis:

1. wathe as pro stocking (ba Man)

2. Dethume x 10-1 (Bostanletty jectore) down sometimes Entandersonalds
Unsere App für ein einfacheres Studium: for experien Xo und

e dir jetzt auf www.bloxxboard.com



emule 3 Ju (xp) = xn : Gp xn

Ju (xw)- run { xt Qu xu+ at Right [] Jun (xun)] xun, and

· Ratracte Enveryment:

IE (Jun (xum)) Xu aus

= Sx Jun (xun) f(xun) Xun x), & Xun

= fw(xn+x-Anxn-Bush)

= Jo 5 (xmx - (Au xu+ Bu au + wu)). for low A wa

Range Jon Jun (Dr. Xh + Ph. sh + wh) fh (wh) duh

= 1Ew { Jun lan: xu + Bu au + cou) / xu au 5

Indulations beneat. Dehugtong June (Xure) = Xura Pura Xura + Chris

must Pun . Symmetrich, pos. remodefut Katoria

CKH ... reele Konstrute

- Indultoonsenforg. h= N-1

=> Pu= Qu und cp=0

- Inalhory Potester Tholosphy gill for his

: publicochloss -

Ju (Sh) = mon 1/xt Qi xh + at Rhan + En / (Ah. xh + Bhan har) Phm.

(1h xh + Ih an dia) + Ch + M)

= xn Qi xu+ min fat Ruan+an Bu Pun Du qu + 2 xo to Pun Bu qu's

+ XT AT Pun Auxu + IE (with un sus + com (**)

- Morandovy van (4) -> Ableston begl. on mad zo Noll retter

