

Numerische Optimierung

Resultat 4

Das Programm DONLP2 liefert (auszugsweise) die folgende Ausgabe:

DONLP2, V3, 05/29/98, COPYRIGHT P. SPELLUCCI
CHEMIE

N= 2 NH= 0 NG= 3

EPSX= .1000D-04 SIGSM= .1490D-07

STARTVALUE

.10000000D+01 .10000000D+01

TERMINATION REASON:

KT-CONDITIONS SATISFIED, NO FURTHER CORRECTION COMPUTED

EVALUATIONS OF F	13
EVALUATIONS OF GRAD F	9
EVALUATIONS OF CONSTRAINTS	47
EVALUATIONS OF GRADS OF CONSTRAINTS	4
FINAL SCALING OF OBJECTIVE	.2199613D+02
NORM OF GRAD(F)	.2369039D+00
LAGRANGIAN VIOLATION	.5550824D-06
FEASIBILITY VIOLATION	.5589973D-12
DUAL FEASIBILITY VIOLATION	.0000000D+00

OPTIMAL VALUE OF F = $-.273128199532856D+01$

OPTIMAL SOLUTION X =
 $.186809744274599D+01$ $.742026151235965D+00$

MULTIPLIERS ARE RELATIV TO SCF=1

NR.	CONSTRAINT	NORMGRAD (OR 1)	MULTIPLIER
1	$-.55899729D-12$	$.59014377D+01$	$.40143364D-01$
2	$.18680974D+01$	$.10000000D+01$	$.00000000D+00$
3	$.74202615D+00$	$.10000000D+01$	$.00000000D+00$

EVALUATIONS OF RESTRICTIONS AND THEIR GRADIENTS

(21, 4) (13, 0) (13, 0)
LAST ESTIMATE OF CONDITION OF ACTIVE GRADIENTS $.1000E+01$
LAST ESTIMATE OF CONDITION OF APPROX. HESSIAN $.4758E+02$