

.....

.....

..... 1

..... 7

..... 9

..... A -1

..... HC -1

..... DC -1

A

... C ...
... 1399 C ...
... D ... H ... H ... C ...
9:00 ... 24 ... 2024;

A ... A

... C ... (...)

A

... C ... ;

B

... D ... C ... ;

... ()

... ;

C

H ... C ...
C ... H- ...
B ... k ... (... k C ... : 1133);

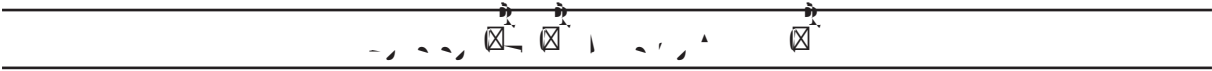
... ()

... ;

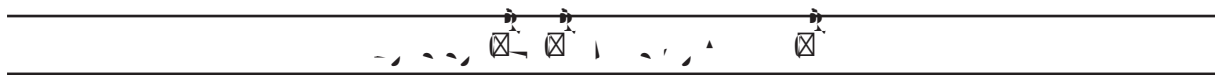
D ... ()

... () ... C ... ;

D ... ()



HARBIN ELECTRIC



... V

A. A C. ...
B. ... D. ... A. 83 A. A. ... /
A C. ...

V.

C. ... A H C.
 D. ... C ... ()
B. ... H
10% ... H C.
k ...
12.
A
B B
B. ... (... A. 16 A. 17)
A. A. ... C. ...
H.

A. ... B.
A. A.
A H C.
D. ... C C.

... B.
A.

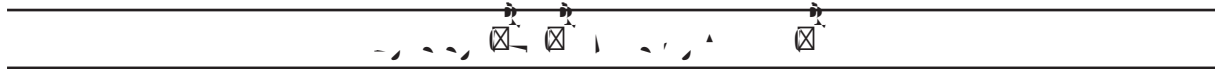
V.

A C, H C D C
 C C 1399 C D
 H H C, 24 2024. A
 24 2024 9:00 H C D C
 9:30 (A) 10:00 ()
 H C), A -1 DC -2

A A
 () D ; () B
 D ; () B
 H C
 B B
 A A

C H D
 H C D C B H
 C ; B B
 B A
 A

A C H
 C D ()

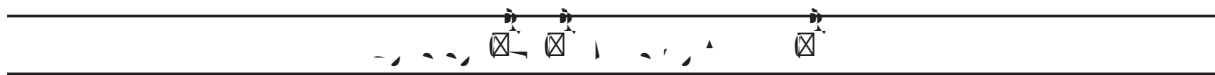


..... ()
 C..... H..... H..... 17..... H.....
 C....., 183..... C....., H..... (.....)
 C..... C..... 1399 C..... D.....,
 H....., H....., C..... D.....)
 24
 C.....

..... A..... H.....
 C..... D..... C..... C.....
 , 21..... 2024....., 24..... 2024 (.....)
 k..... A..... H..... C.....
 D..... C..... (.....),
 C..... k..... A..... H.....
 C..... D..... C..... A.....
 H..... C..... D..... C..... (.....),
 H.....
 C.....'..... H....., 1712 1716, 17.
 H..... C....., 183..... C....., H..... (..... H.....
)..... C.....'....., C..... 1399 C.....,
 D....., H....., H....., C..... D.....
)..... 4:30....., 20..... 2024.

V. 0.....

B..... A..... H..... C.....
 D..... C..... C.....
 B..... B.....
 C..... A.....,
 B..... A..... H..... C.....
 D..... C..... (.....).



V. \mathbb{R}^n 上的多元函数

多元函数 $f: D \rightarrow \mathbb{R}$ 在点 $\mathbf{x}_0 \in D$ 处可微的充要条件是存在唯一的线性映射 $L: \mathbb{R}^n \rightarrow \mathbb{R}$ 使得

$$f(\mathbf{x}) - f(\mathbf{x}_0) = L(\mathbf{x} - \mathbf{x}_0) + o(\|\mathbf{x} - \mathbf{x}_0\|)$$

其中 L 称为 f 在 \mathbf{x}_0 处的微分，记为 $df_{\mathbf{x}_0}$ 。若 f 在 \mathbf{x}_0 处可微，则 f 在 \mathbf{x}_0 处连续。多元函数的微分与一元函数的微分有类似的关系，例如链式法则。

多元函数的极值问题通常通过求偏导数并令其为零来寻找驻点。对于二元函数 $f(x, y)$ ，驻点 (x_0, y_0) 满足 $f_x(x_0, y_0) = 0$ 且 $f_y(x_0, y_0) = 0$ 。为了判断驻点是否为极值点，需要计算 Hessian 矩阵 $H_f(x_0, y_0)$ 的行列式 $D^2f(x_0, y_0)$ 。若 $D^2f(x_0, y_0) > 0$ ，则 (x_0, y_0) 为极小值点；若 $D^2f(x_0, y_0) < 0$ ，则 (x_0, y_0) 为极大值点；若 $D^2f(x_0, y_0) = 0$ ，则需要进一步分析。

VI. 多元函数的微分

_____ 1965, _____, _____
D C, _____
C A _____ C * (中國
融通資產管理集團有限公司) _____ & _____

_____ C _____ * (中國核工業總公司),
_____ C _____ (C) C*
(中國核工業集團公司) _____ C

B _____ C * (中國寶原工貿公司),
_____ C _____ * (中國核儀器設備總公司),
_____ C _____ B A

H _____ C * (中國中核寶原資產控股公司), _____ C
_____ C * (中國核科技信息與經濟研究院),
_____ C _____

_____ C, _____ * (中核戰略規劃研究總院有限公司) _____ C,
_____ C _____ A
_____ C, _____ * (中核蘇閩科技實業股份有限公司) _____ 2010 _____ 2016. H

_____ 2022,
C _____ A _____ C _____ 2022,
_____ C & _____ C, _____ * (中國鋼研科技集團有限公司)

J 2023. A, 2023, _____ D _____ C

A _____ D, _____, _____, _____, _____
_____ H _____, _____, _____, _____, _____
_____ ; _____

C _____ C _____ ; _____
_____ C _____ (C _____ 571 _____
_____); _____ D _____, _____, _____
_____ C _____

10.06(1)()

C
H D

D
C 10% H

() A

D , 675,571,000 H C A

H C B 67,557,100 H

12
A

D
C

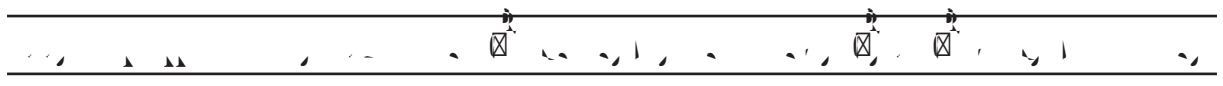
B k C
C H

k

B
C k A

C A A
C C

C



... k... C... (...)
 ... 31 D... 2023)
 ...

H ... B ...
 ... C... k...
 ... D... C...
 ...

H ... D ... k...
 ... C...
 ...

H ... C... C... ()
 ... C... () k... **H** ...
 ... B ...
 ...

H ... C... (... k...)
 ...
 ... V ...

H ... C...
 ... C...
 ... k... C... A ...
 ... C...
 ... k... 26 ... k... C...

A D C **H** 1,560,705,000
 C 69.79% C
 D 50% C
 608,013,900 **H** C
 **H** 71.96% C
 26 k C

..... **H** k
 D

	(H \$)	(H \$)
2023		
A	3.99	3.45
M	3.70	2.93
J	3.35	2.73
J	3.48	3.00
A	3.19	2.37
	2.77	2.28
	2.75	2.22
N	2.50	2.10
D	2.11	1.92
2024		
J	2.56	1.77
	2.48	2.05
M	2.83	2.31
A (..... D...)	2.61	2.13

6. H, D, C;

7. D, C;

8. B, B, D, / A, C;

9. B, H, 10%, H, C, k, 12, A;

10. C, B, k, A, 16, A, 17, A, A, C, C, H;

B, B, C;

H, C
23 A, 2024

A, D, C, C, H, D, C, H, H, J, H, H;

1.

C, 21 2024, 24 2024 (A), 21 2024, k, A, A, 1712, 1716, 17, C, 183, C, H, C, H, 1399 C, 4:30, 20 2024.

2.

2023, C, 17 2024, 21 2024 (A), 17 2024, 24 2024, 2023, C, H, H, H, H, 1712, 1716, 17, H, C, 183, C, H, C, H, 1399 C, D, H, H, C, D, 4:30, 14 2024.

3.

A, A

4.

C, H, H, H, 17, H, C, 183, C, H, C, H, 1399 C, D, H, H, C, A

5.

C, A, k

6.

A

H... **C**... **k**... **H**... **k**...
...
...
...

HA

2. C
 B C k A 16
 A 17 A A C
 C
 H

B B

.....

 C

H C
 23 A 2024

A D C C H
 ; D C H H
 H

