



Q

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8									3	2015
5	29				80		2015	7	1	
9										16
2008	2	1								
10									2	2019 9 1
11										
30	2015	5	29				80		2015	7 1
12									44	2015 5
29					80		2015	7	1	
13										55
2015	3	23				79		2015	7	1
14										
	[2016]8		2016	2	5					
15					2015					
2015	5	2015	5	1						
16									2015	
					[2015]80		2015	8	19	
17										
	[2011]95		2011	7	1					
18										
							[2011]142	2011	7	1
19										
	2016	3	2016	4	28					
20										
		2020	3	2020	4	1				
21										

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22

2020 1 2020 5 30

23

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1.2.2.

1	GB50156-2021
2	GB6944-2012
3	GB 12268-2012
4	GB 18218-2018
5	GB 17914 2013
6	GB 15603-2022
7	GB 55036-2022)
8	GB 50058-2014
9	AQ 3009-2007
10	GB 6441-1986
11	GB/T 13861-2022
12	GB 50016-2014 2018
13	GB 50140-2005
14	GB 55037-2022
15	GB 50057-2010
16	GB 12158-2006
17	GB/T 50610-2010
18	AQ 3045-2013
19	GB20952-2020
20	GB 50395-2007
21	GB/T 29639-2020
22	(GB/T12801-2008)
23	(GB5083-1999)
24	AQ/T 9007-2019
25	(AQ 3010 2022)
26	AQ 3018-2008
27	GB30871-2022

28

XF/T 4-20

29

AQ 8001-2007

30

GB/T 13869-2017

31

SH/T 3178-2015

32

GB/T 34661-2017

33

GB/T 35579-2017

34

GB/T 50759-2012

1.2.3.

1

2005 4

2

2002

11

3

2003 7

1.3

1

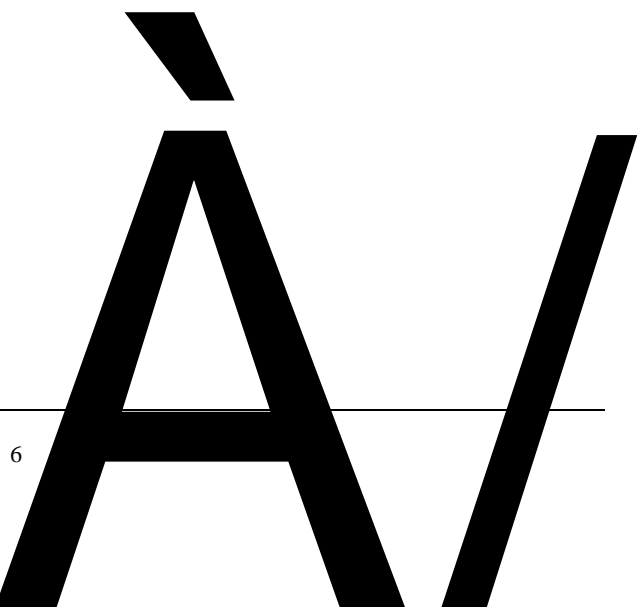
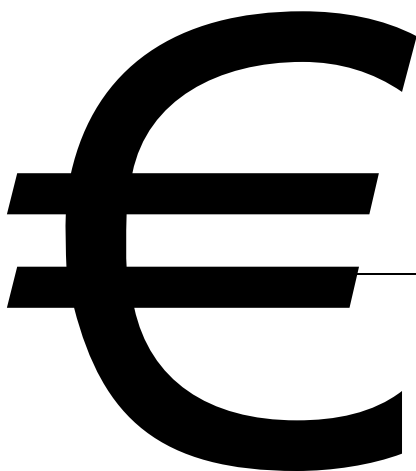
2

3

4

5

1.4



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[ ]



[ ]

[ ]

[ ]

[ ]

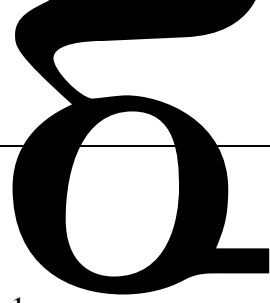
[ 5 ]

[ ]

1 1

2982m<sup>2</sup>





2.5

11

1

2.6

2.7

2.7.1

2.7.2

1

2

4

4

5

6

6

2m<sup>3</sup>

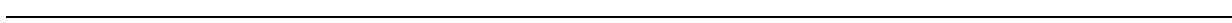
5kg

8

25kg

2

7



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3.

3.1

3.1.1

GB18218-2018

1

2

3.1.2

1

2

$$S = q_1/Q_1 + q_2/Q_2 + \dots + q_n/Q_n \quad (1)$$

S——

q<sub>1</sub> q<sub>2</sub>... q<sub>n</sub>——

t

Q<sub>1</sub> Q<sub>2</sub>... Q<sub>n</sub> — t

3

### 3.1.3

23                  60                  3-1

3-1

1		200t
2		5000t

120m<sup>3</sup>

0.75

90t



---

1.5

5

1

30

2

1β

3

1000m<sup>3</sup>

1

b

β

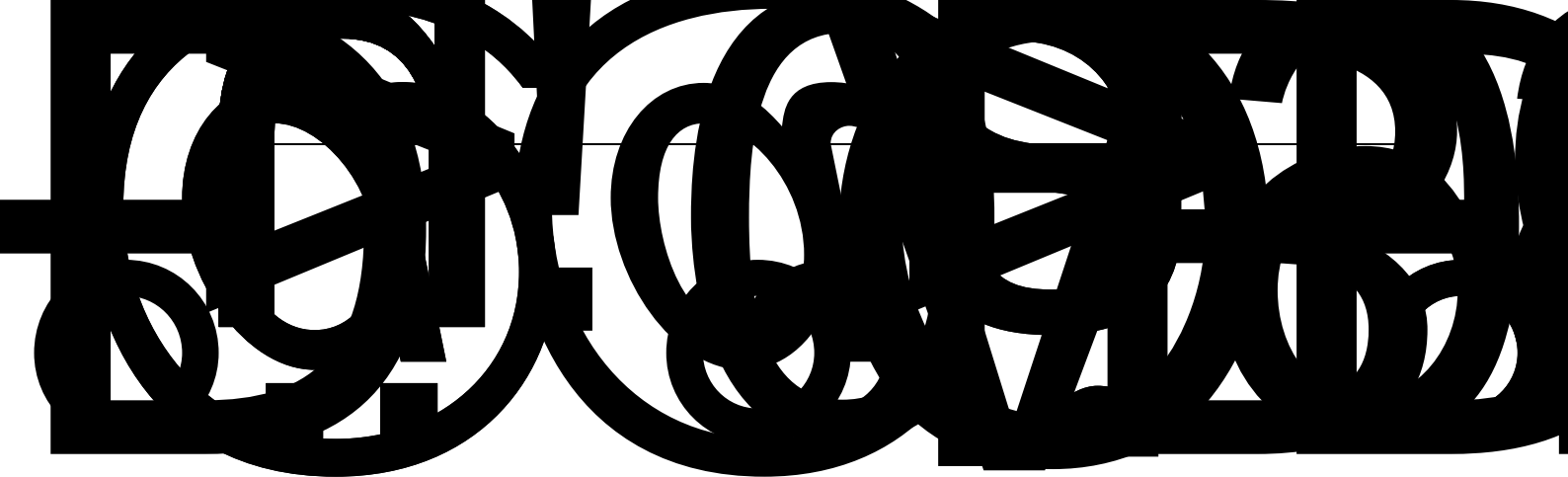
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,P 60 2 3 4 3!b ,P

6E 1k 60 2 10, 2 Ría

60 2 3 4 3!b ,P



5 ' üÄ \*







4			
5			
6			
7			

3.3.1

1

..

70m F>δ"

6

46

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4.

4.1

7

1

2

3

4

5

6

7

4.2

---

5.

7

---

6.

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7.

4-)  $\frac{1}{x^2} = x^{-2}$   $\frac{d}{dx} x^{-2} = -2x^{-3} = -\frac{2}{x^3}$