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1875 1 ,
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1889 ,
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System of Units). -
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(\mathcal{K}),

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, :
 $1/299\,792\,458$
 $\nu_0 = 299\,792\,458 \text{ /c}$

, :
 $m(\mathcal{K})$ 1

, : $9\,192\,631\,770$
 -133.
 $\nu(\text{hfs Cs}), 9\,192\,631\,770$
 -133

, : ,
 ,
 1 ,
 2 · 10⁻⁷ . 1 ,
 , μ₀ (4 · 10⁻⁷ H/ .)

, : ,
 1/273,16
 .
 , T_{tpw}, 273,16 .

, :
 1. , -12
 0,012 .
 2. , , , ,
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 , -12, (12), 12
 / .

V	3
v	/
a	/c ²
, \tilde{v}	-1
	/ ³
s	/ ²
v	3/
j	A/ ²
H	A/
	/ ³
,	/ ³
L_v	/ ²
n	1
μ_r	1

, "1",

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4.

4.

	/ = 1
	2/ ² = 1
	-1
	-2
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,	,	= 2 -2
,		/ = 2 -3
	,	
		/ = 2 -3 -1
		/ = -2 -1 4 2
		/ = 2 -3 -2
		/ = -2 -1 3 2
		= 2 -2 -1
		/ 2 = -2 -1
		/ = 2 -2 -2
	0	
		=
		/ 2 = -2
		-1
	,	/ = 2 -2
	,	
	,	/ = 2 -2
		-1

$t/0 = T/K - 273,15.$

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5.

5.

10^1	10^{-1}
10^2	10^{-2}
10^3	10^{-3}
10^6	10^{-6}
10^9	10^{-9}

6

“ ” - BIPM.

6.

	$1 \text{ min} = 60 \text{ s}$
	$1 \text{ h} = 3600 \text{ s}$
	$1 \text{ day} = 86\,400 \text{ s}$
	$1 \text{ km} = 10^3 \text{ m}$
	$1 \text{ km} = 1000 \text{ m}$
-	$1 \text{ kg} \approx 1,602 \cdot 10^{-19} \text{ u}$
	$1 \text{ ton} = 1000 \text{ kg}$
	$1 \text{ ton} \approx 1,102 \cdot 10^6 \text{ g}$
\AA	$1 \text{ \AA} = 10^{-10} \text{ m}$
	$1 \text{ nm} = 10^9 \text{ \AA}$
	$1 \text{ cm} = 10^7 \text{ \AA}$
	$1 \text{ m} = 10^9 \text{ \AA}$

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$$\nu = 5,0 / = 18 / .$$

$$= 5,896 \cdot 10^{-7} = 589,6 .$$

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x_i () i -

μ_r

$m(\mathcal{K})$

\mathcal{K}

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(,

$$pV_m/T = R = 8,314 \text{ J} \cdot \text{K}^{-1} \cdot \text{mol}^{-1} = 8,314 \text{ J} / (\text{mol} \cdot \text{K}).$$

2002

$$e = 1,602\,176\,53(14) \cdot 10^{-19} \text{ C},$$

14 -

BIPM () 8-

“ C ”,

<http://www.bipm.org>



“ () ”

2006