



μ μ

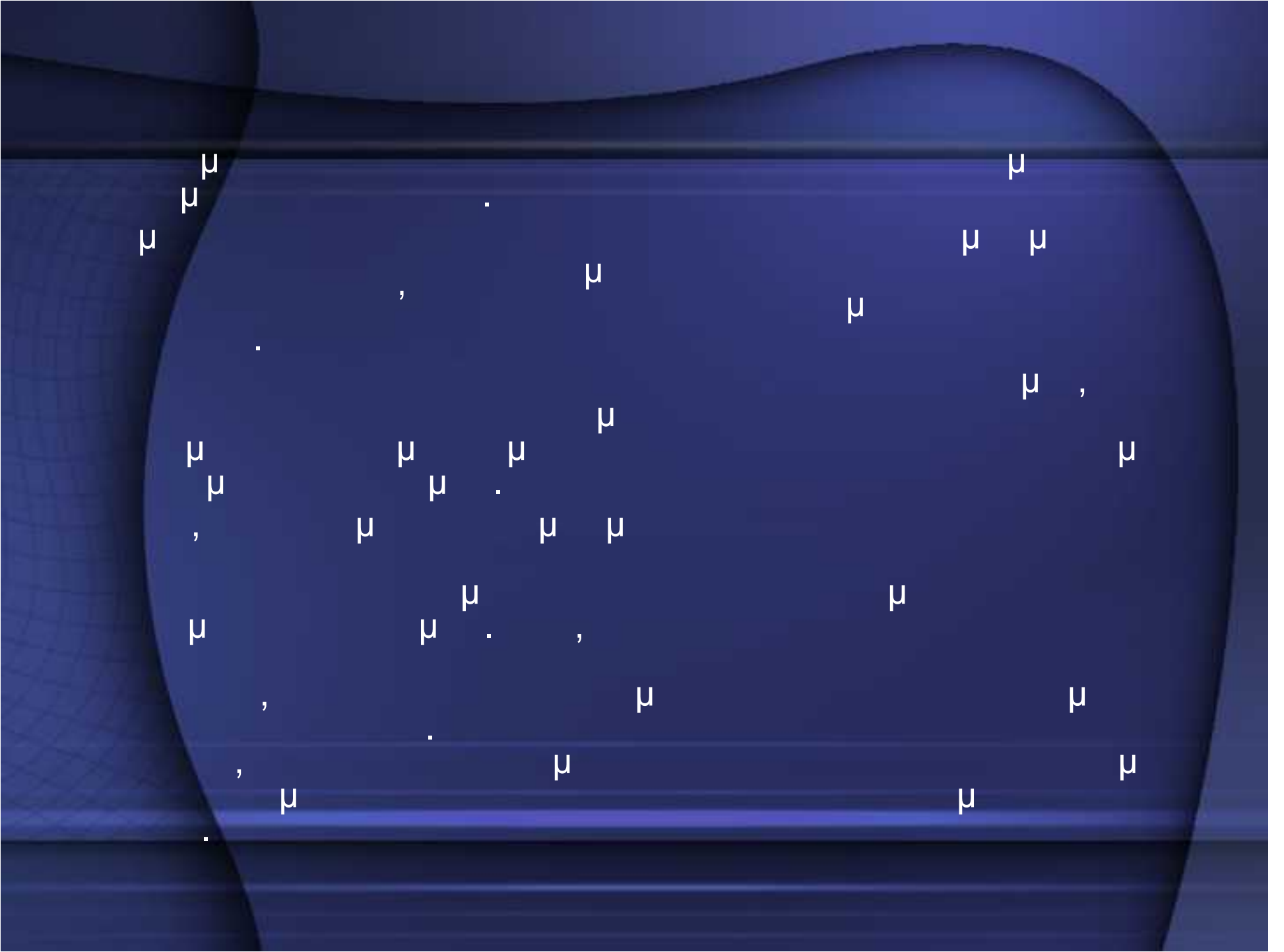
&

&

μμ



1 :



1.2 μ

μ

μ

μ

μ

μ

μ

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μ

μ

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μ

μ

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μ

μ

μ

μ

μ

μ

(< 60.0 m/s)

μ

μ

μ

.

$\mu\mu$

μ

SI (Systeme International).

μ

μ

μ

:

μ μ (m)

μ $\mu\mu$ (kg)

(s)

μ

μ μ (K) (°C) ,

$$^{\circ}K = ^{\circ}C + 273.15 \quad (1.1)$$

μ m (kg) () μ

,

$$B = mg \quad (1.2)$$

$g(m/s^2)$

$9.807 (m/s^2)$.

$\rho(kg/m^3)$

$V(m^3)$.

$$\dots = \frac{m}{V}$$

(1.3)

$20\text{ }^\circ\text{C}$ 998.2 kg/m^3 $4\text{ }^\circ\text{C}$ 1000.0 kg/m^3 ,
 $\gamma\text{ (N/m}^3\text{)}$

$$\gamma = \dots g \quad (1.4)$$

$\mu\text{ (kg/ms)}$

$$\tau = \mu \frac{du}{dy} \quad (1.5)$$

$$\tau = \mu \frac{du}{dy} = \frac{\mu}{\rho} \frac{d(\rho u)}{dy} \quad (1.6)$$

$$\epsilon = \frac{\mu}{\rho \nu} \quad (1.7)$$

(m)
 (kg/ms)
 1010x10⁻⁶
 1315x10⁻⁶
 20°C
 10°C
 10°C
 2°C
 1.01x10⁻⁶
 1.31x10⁻⁶
 (m²/s)
 (m²/s)
 du / dy
 y
 (1.5)
 10°C
 (m²/s)
 (m²/s)

Lencastre (1987)

μ $F(N)$

$$F = my \quad (1.8)$$

$y (m/s^2)$
 $p(N/m^2)$

$$p = \frac{F}{A} \quad (1.9)$$

N/m^2 $/m^2$ bar $1.0 \text{ bar} = 100000.0$

$h (m)$

$$p = \dots g h \quad (1.10)$$

... r ,

$$h = \frac{p}{\dots g} \quad (1.11)$$

$$\mu = 1000.0 \text{ kg/m}^3, \quad \mu = 4000.0 \text{ /m}^2, \quad g = 9.807 \text{ m/s}^2, \quad 0.4079 \text{ m}$$

$$p_{r\ddagger} = 10132 \text{ N/m}^2 = 760 \text{ mmHg} = 10.33 \text{ mm ur}\ddagger, g \quad (1.12)$$

$$\mu = 97320.0 \text{ /m}^2 \quad (\mu = 340.0 \text{ m} \quad \mu = 9.92 \text{ m} \quad \mu = 1045.0 \text{ m})$$

$$\mu = 89370.0 \text{ /m}^2 \quad (\mu = 89370.0 \text{ /m}^2 \quad \mu = 9.11 \text{ m} \quad \mu = \text{)}$$