

1°

1. μ_0 μ $\mu\mu$ μ
 μ :

) $\mu\mu$ μ .) $\mu\mu$ μ μ .
) μ .) μ .

2. μ μ μ μ

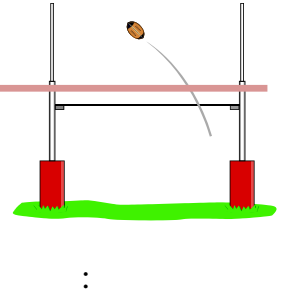
:
) μ μ .
) μ .
) μ .
) .

3. μ μ
 , μ μ μ

:
) .) μ .
) .) .

4. :

) μ .
) μ .
) μ .
) μ μ μ

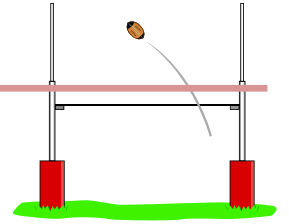


5. μ , μ $\mu\mu$ μ
 μ .
) $> e$ $R < R_e$) $= e$ $R = R_e$
) $> e$ $R > R_e$) $= e$ $R > R_e$

2°

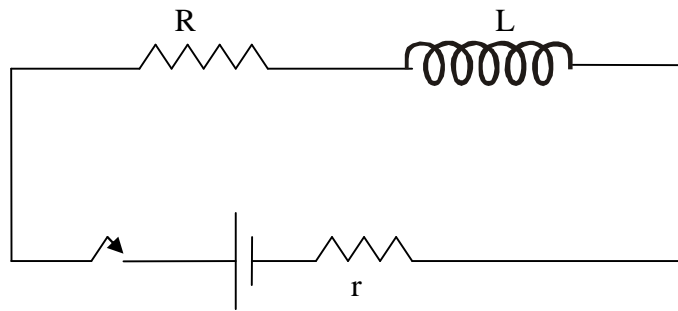
1. μ (m, +q) (4m, +2q) μ
 μ $\mu\mu$ μ μ
 . :) R_1/R_2
) $1/2$
2. μ μ $\mu = 100$
 $= 0,02 \text{ Wb}$, $\mu = 4$.
 ;
3. μ μ
 μ Lorentz. μ μ μ ;
4. μ μ μ μ 0
 μ $\mu\mu$ μ .
 μ μ μ
 μ ;
)
)
) μ μ
)

2^ο



3^ο

$\mu = 150\text{V}$, $r=1$, $R=49$ $L=0,5\text{H}$.



-) μ μ μ
- μ $\frac{1}{4}$ μ μ ;
-) μ μ μ
- μ ;
-) μ μ μ
- μ ;

4^ο

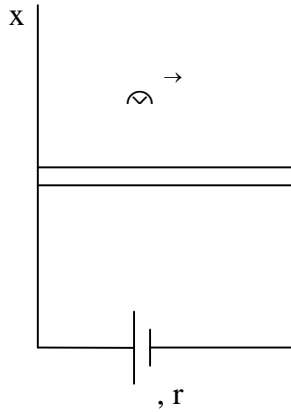
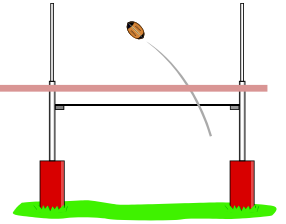
μ μ μ μ μ

μ μ 1Kg μ $R=2$ μ

μ μ μ μ

μ μ μ μ μ

μ μ 1 , μ μ .



μ

$=60V$

$r=1 \Omega$

)

μ

)

μ

()

μ

)

μ

μ

Laplace

μ

F_L

)

μ

μ

μ

Laplace

μ

$3/2mg$

:

)

μ

μ

μ

)

μ

μ

μ

)

μ

μ

$g=10 \text{ m/s}^2$.