

$$\int_{\Sigma} \nabla \times \mathbf{E} = -\frac{\partial \mathbf{B}}{\partial t}$$



The T-Exchange

PHAPHPH = 1



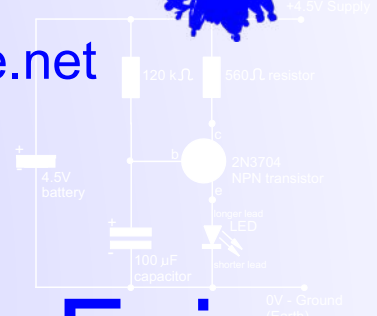
$$\int_{\partial \Sigma} \mathbf{E} \cdot d\mathbf{l} = -\frac{d}{dt} \int_{\Sigma} \mathbf{B} \cdot d\mathbf{S}$$

www.t-exchange.net

$$x_1, x_2 = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

$$\overline{A \cdot B \cdot C} = \overline{A+B+C}$$

$$\overline{A + \overline{A}} \cdot B = \overline{A+B}$$



Science and Ingenuity Fair

Sat. 27th September
 Forres Tolbooth
 10:30 am - 4:30 pm
 for all ages - free entry

```
int num = 20;
float radius = 20;
float x, y; // current drawing position
float[] dx, dy; // change in position at each frame
float[] handX, handY;
float[] rad; // radius for t
float[] hue;
float max = 1;
float min = 0.5;
color bg;
color blendcolor;
void setup() {
    size(500, 500);
    x = new float[num];
    y = new float[num];
    dx = new float[num];
    dy = new float[num];
    handX = new float[num];
    handY = new float[num];
    rad = new float[num];
    hue = new float[num];
    bg = color(255, 255, 255);
    //blendcolor = color(255, 255, 255);
    color blendcolor;
}
for (int i = 0; i < num; i++) {
    // i = width
    x[i] = width;
    y[i] = height/2;
}
```

LINUX



3D printers

Arduino

Python



We are supporting



robots and rovers

We are supported by



Raspberry Pi

Processing for artists Scratch programming