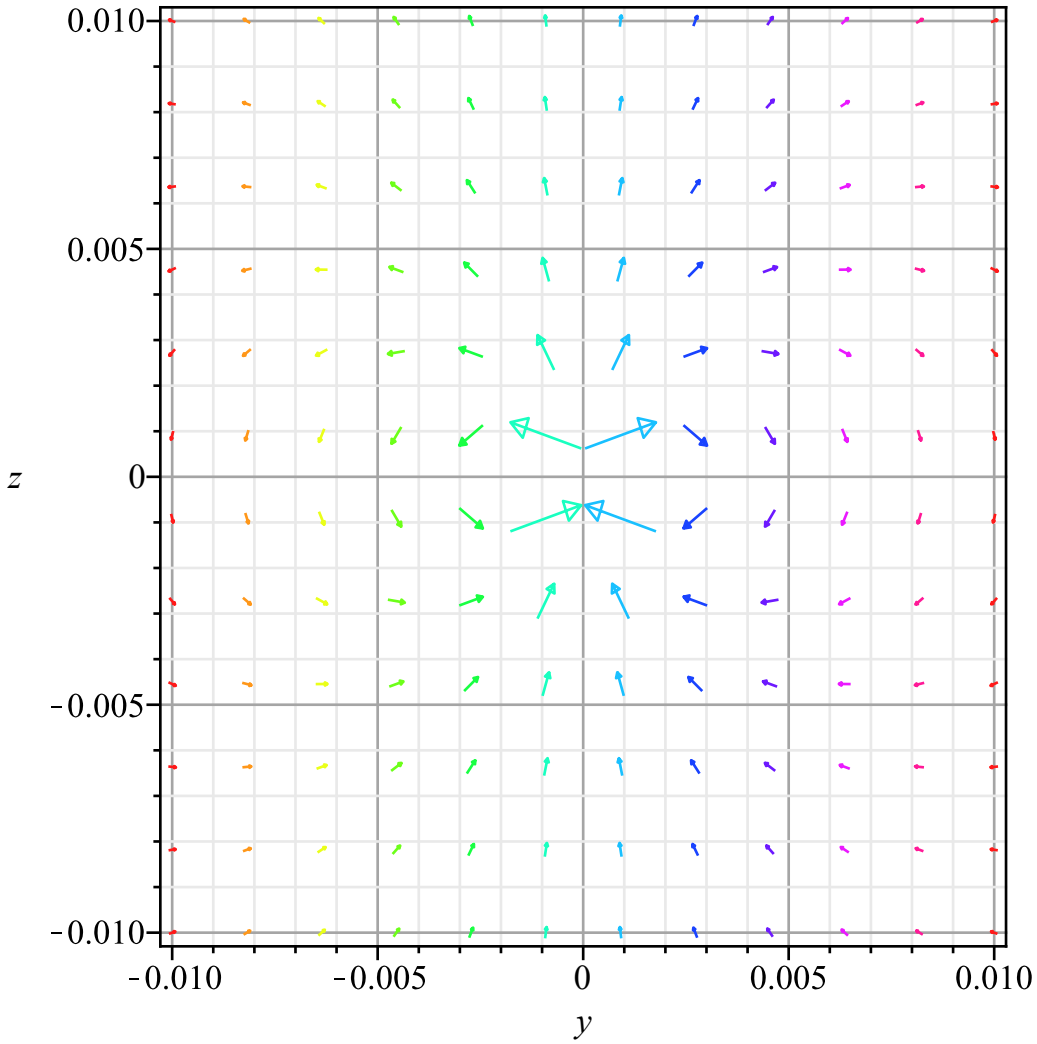
Electric field of a dipole

```
> restart;
> with(plots) :
> Ey := 3·y·z / (y^2 + z^2)^(5/2) ; Ez := (2·z^2 − y^2) / (y^2 + z^2)^(5/2) ;
```

$$Ey := \frac{3\,y\,z}{\left(y^2+z^2\right)^{5/2}}$$

$$Ez := \frac{2\,z^2-y^2}{\left(y^2+z^2\right)^{5/2}} \qquad (1)$$

```
> fieldplot( [Ey, Ez], y = -0.01 ..0.01, z = -0.01 ..0.01 , fieldstrength = log, grid = [12, 12], arrows
    = SLIM, color = y);
```




```
>
>
```