Evaporadores

Calculo de evaporación de 2 efectos

contracorriente($w_f, t_f, x_i, x_f, c, p_s, t_2, U_1, U_2$))

Energy balance 'contracorriente'.

$$w_1\lambda_1 = w_s\lambda_s + (w_f - w_2)c(t_2 - t_1)$$

$$w_2\lambda_2 = w_1\lambda_1 + w_fc(t_f - t_1)$$

Energy balance 'Paralelos'.

$$w_1\lambda_1 = w_s\lambda_s + w_fc(t_f - t_1)$$

$$w_2\lambda_2 = w_1\lambda_1 + (w_f - w_1)c(t_1 - t_2)$$

Mass balance

$$w_{12} = w_1 + w_2$$

$$w_{12} = wf(1 + x_i/x_f)$$

How to Use

```
const evap = require("../lib/Evaporadores")
var e = new evap();
console.log(e.contracorriente(8500,35,8,45,1,2.5,59.7,1700,1100));
```

Output

```
{ a1: 47.31158521048767, a2: 47.83154512795593 }
```