```
(% i1)  kill(all)$

->      /* see README_moss */
        /* plot against normalized reference */

(% i4)  Uo:1$ /* applied voltage */
        R:2$  /* resistance */
        C:0.2$  /* capacity by experiment */
        tau: 1$

(% i6)  chargeUc(t):=Uo*(1-exp(-t/R/C));
        refchargeUc(t):=1*(1-exp(-t/1/1));
```

$$chargeUc(t) := \mathrm{Uo}\left(1 - exp\left(\frac{\frac{-t}{R}}{C}\right)\right) \qquad (\%\ \mathrm{o5})$$

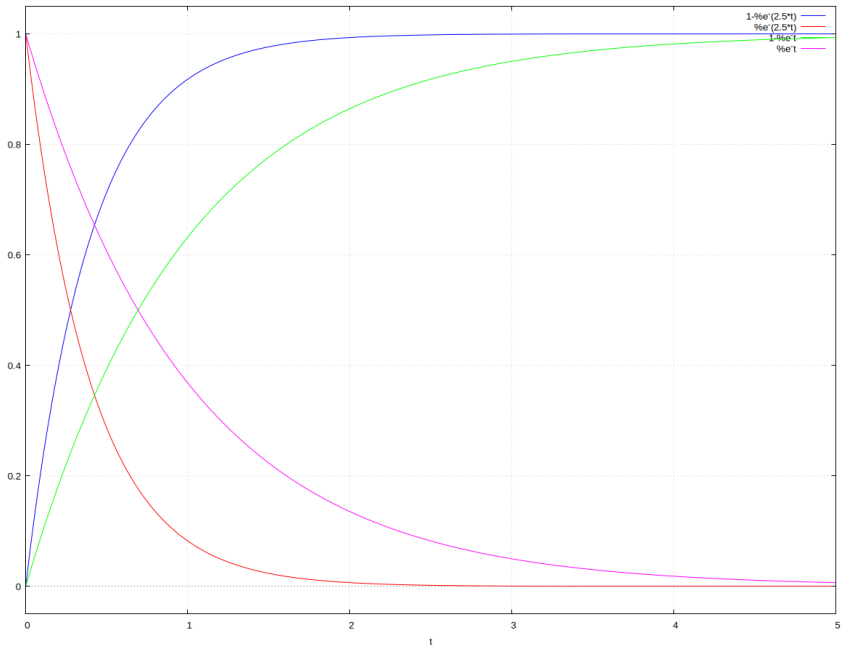
$$refchargeUc(t) := 1\left(1 - exp\left(\frac{\frac{-t}{1}}{1}\right)\right) \qquad (\%\ \mathrm{o6})$$

```
(% i8)  disUc(t):=Uo*exp(-t/R/C);
        refdisUc(t):=1*exp(-t/1/1);
```

$$disUc(t) := \mathrm{Uo}\, exp\left(\frac{\frac{-t}{R}}{C}\right) \qquad (\%\ \mathrm{o7})$$

$$refdisUc(t) := 1\, exp\left(\frac{\frac{-t}{1}}{1}\right) \qquad (\%\ \mathrm{o8})$$

(% i9) wxplot2d([chargeUc(t),disUc(t),refchargeUc(t),refdisUc(t)], [t, 0., 5*tau],grid2d)$



(% t9)

−> /* eqnL: 0.98 = Uo*(1-exp(-5/R/C))$ /* charge */
eqnD: 0.90 = Uo*exp(-2.5/R/C)$ /* discharge */

−> /* solL: rhs(solve(eqnL,R)[5]);
solD: rhs(solve(eqnD,R)[5]);
solve([eqn1,eqn2],R);
solve(sol1=sol2,C);