> $ec1 := diff(x(t), t) = x(t) + 4\,y(t);$

$$ec1 := \frac{d}{dt}\,x(t) = x(t) + 4\,y(t) \tag{1}$$

> $ec2 := diff(y(t), t) = x(t) + y(t);$

$$ec2 := \frac{d}{dt}\,y(t) = x(t) + y(t) \tag{2}$$

> $sist := ec1, ec2;$

$$sist := \frac{d}{dt}\,x(t) = x(t) + 4\,y(t), \frac{d}{dt}\,y(t) = x(t) + y(t) \tag{3}$$

> $with(DEtools):$

> $dsolve(\{sist\}, \{x(t), y(t)\});$

$$\left\{x(t) = \_C1\,e^{3\,t} + \_C2\,e^{-t}, y(t) = \frac{\_C1\,e^{3\,t}}{2} - \frac{\_C2\,e^{-t}}{2}\right\} \tag{4}$$

> $restart;$

> $ec1 := diff(x(t), t) = 2\,x(t) - y(t);$

$$ec1 := \frac{d}{dt}\,x(t) = 2\,x(t) - y(t) \tag{5}$$

> $ec2 := diff(y(t), t) = x(t) + 2\,y(t);$

$$ec2 := \frac{d}{dt}\,y(t) = x(t) + 2\,y(t) \tag{6}$$

> $sist := ec1, ec2;$

$$sist := \frac{d}{dt}\,x(t) = 2\,x(t) - y(t), \frac{d}{dt}\,y(t) = x(t) + 2\,y(t) \tag{7}$$

> $with(DEtools):$

> $dsolve(\{sist\}, \{x(t), y(t)\});$

$$\{x(t) = e^{2\,t}\,(\_C1\,\sin(t) + \_C2\,\cos(t)), y(t) = e^{2\,t}\,(\sin(t)\,\_C2 - \cos(t)\,\_C1)\} \tag{8}$$

> $restart;$

> $ec1 := diff(x(t), t) = x(t) - y(t) + z(t);$

$$ec1 := \frac{d}{dt}\,x(t) = x(t) - y(t) + z(t) \tag{9}$$

> $ec2 := diff(y(t), t) = x(t) + y(t) - z(t);$

$$ec2 := \frac{d}{dt}\,y(t) = x(t) + y(t) - z(t) \tag{10}$$

> $ec3 := diff(z(t), t) = -y(t) + 2\,z(t);$

$$ec3 := \frac{d}{dt}\,z(t) = -y(t) + 2\,z(t) \tag{11}$$

> $sist := ec1, ec2, ec3;$

$$sist := \frac{d}{dt}\,x(t) = x(t) - y(t) + z(t), \frac{d}{dt}\,y(t) = x(t) + y(t) - z(t), \frac{d}{dt}\,z(t) = -y(t) + 2\,z(t) \tag{12}$$

> $with(DEtools):$

> $dsolve(\{sist\}, \{x(t), y(t), z(t)\});$

$$\{x(t) = \_C1\,e^{2\,t} + \_C2\,e^{t} + \_C3\,e^{t}\,t + \_C3\,e^{t}, y(t) = e^{t}\,(\_C3\,t + \_C2 - \_C3), z(t) = \_C1\,e^{2\,t} + \_C2\,e^{t} + \_C3\,e^{t}\,t\} \tag{13}$$

> $restart;$

> $ec1 := diff(x(t), t) = 5\,x(t) + 3\,y(t) + 1;$

$$ec1 := \frac{d}{dt}\,x(t) = 5\,x(t) + 3\,y(t) + 1 \tag{14}$$

> $ec2 := diff(y(t), t) = -6\,x(t) - 4\,y(t) + \exp(t);$

$$ec2 := \frac{d}{dt}\,y(t) = -6\,x(t) - 4\,y(t) + e^{t} \tag{15}$$

> $sist := ec1, ec2;$

$$sist := \frac{d}{dt}\,x(t) = 5\,x(t) + 3\,y(t) + 1,\ \frac{d}{dt}\,y(t) = -6\,x(t) - 4\,y(t) + e^{t} \tag{16}$$

> $with(DEtools):$

> $dsolve(\{sist\}, \{x(t), y(t)\});$

$$\left\{x(t) = e^{2t}\,\_C2 + e^{-t}\,\_C1 - \frac{3\,e^{t}}{2} - 2,\ y(t) = -e^{2t}\,\_C2 - 2\,e^{-t}\,\_C1 + 2\,e^{t} + 3\right\} \tag{17}$$

> $restart;$

> $ec1 := diff(x(t), t) = -x(t) + 3\,y(t) - 4\,z(t) + 25\,t;$

$$ec1 := \frac{d}{dt}\,x(t) = -x(t) + 3\,y(t) - 4\,z(t) + 25\,t \tag{18}$$

> $ec2 := diff(y(t), t) = -2\,x(t) - 6\,z(t) + 12\,\exp(t);$

$$ec2 := \frac{d}{dt}\,y(t) = -2\,x(t) - 6\,z(t) + 12\,e^{t} \tag{19}$$

> $ec3 := diff(z(t), t) = -2\,x(t) - 6\,y(t) + 6\,z(t) + 12;$

$$ec3 := \frac{d}{dt}\,z(t) = -2\,x(t) - 6\,y(t) + 6\,z(t) + 12 \tag{20}$$

> $sist := ec1, ec2, ec3;$

$$sist := \frac{d}{dt}\,x(t) = -x(t) + 3\,y(t) - 4\,z(t) + 25\,t,\ \frac{d}{dt}\,y(t) = -2\,x(t) - 6\,z(t) + 12\,e^{t},\ \frac{d}{dt}\,z(t) = -2\,x(t) - 6\,y(t) + 6\,z(t) + 12 \tag{21}$$

> $with(DEtools):$

> $dsolve(\{sist\}, \{x(t), y(t), z(t)\});$

$$\left\{x(t) = -e^{t} + 15\,t - \frac{49}{10} + \_C1\,e^{-3t} + \_C2\,e^{-2t} + \_C3\,e^{10t},\ y(t) = -10\,t - \frac{7\,\_C2\,e^{-2t}}{5} + 2\,e^{t} + \frac{233}{30} + \_C3\,e^{10t} - \frac{10\,\_C1\,e^{-3t}}{3},\ z(t) = -5\,t - \frac{4\,\_C2\,e^{-2t}}{5} + 2\,e^{t} + \frac{33}{10} - 2\,\_C3\,e^{10t} - 2\,\_C1\,e^{-3t}\right\} \tag{22}$$

> $ec1 := diff(x(t), t) = x(t) + 4\,y(t);$

$$ec1 := \frac{d}{dt}\,x(t) = x(t) + 4\,y(t) \tag{23}$$

> $ec2 := diff(y(t), t) = x(t) + y(t);$

$$ec2 := \frac{d}{dt}\,y(t) = x(t) + y(t) \tag{24}$$

> $sist := ec1, ec2;$

(25)

$$sist := \frac{d}{dt}\, x(t) = x(t) + 4\, y(t),\ \frac{d}{dt}\, y(t) = x(t) + y(t) \quad \textbf{(25)}$$

> $cond := x(0) = 1, y(0) = 2;$

$$cond := x(0) = 1, y(0) = 2 \quad \textbf{(26)}$$

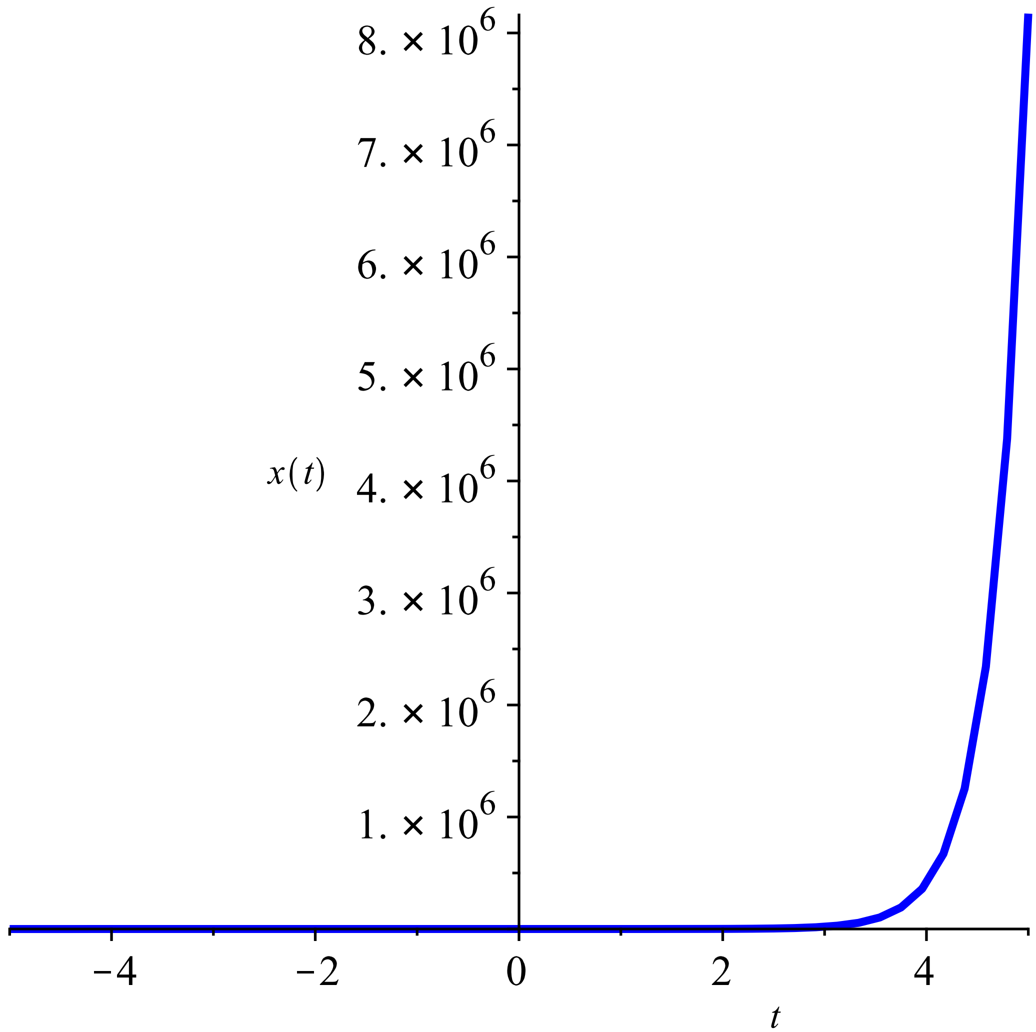
> $with(DEtools):$

> $dsolve(\{sist, cond\}, \{x(t), y(t)\});$

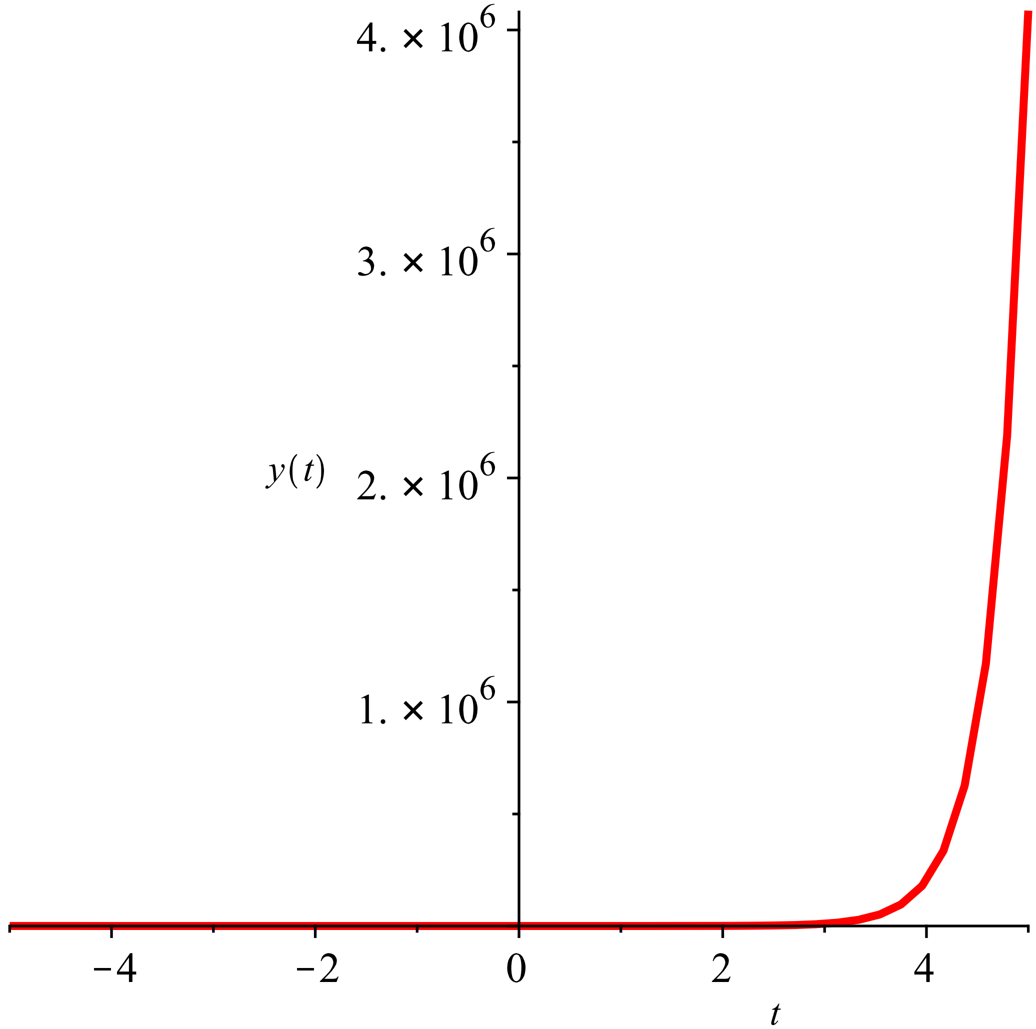
$$\left\{x(t) = -\frac{3\,e^{-t}}{2} + \frac{5\,e^{3t}}{2}, y(t) = \frac{3\,e^{-t}}{4} + \frac{5\,e^{3t}}{4}\right\} \quad \textbf{(27)}$$

> $with(plots):$

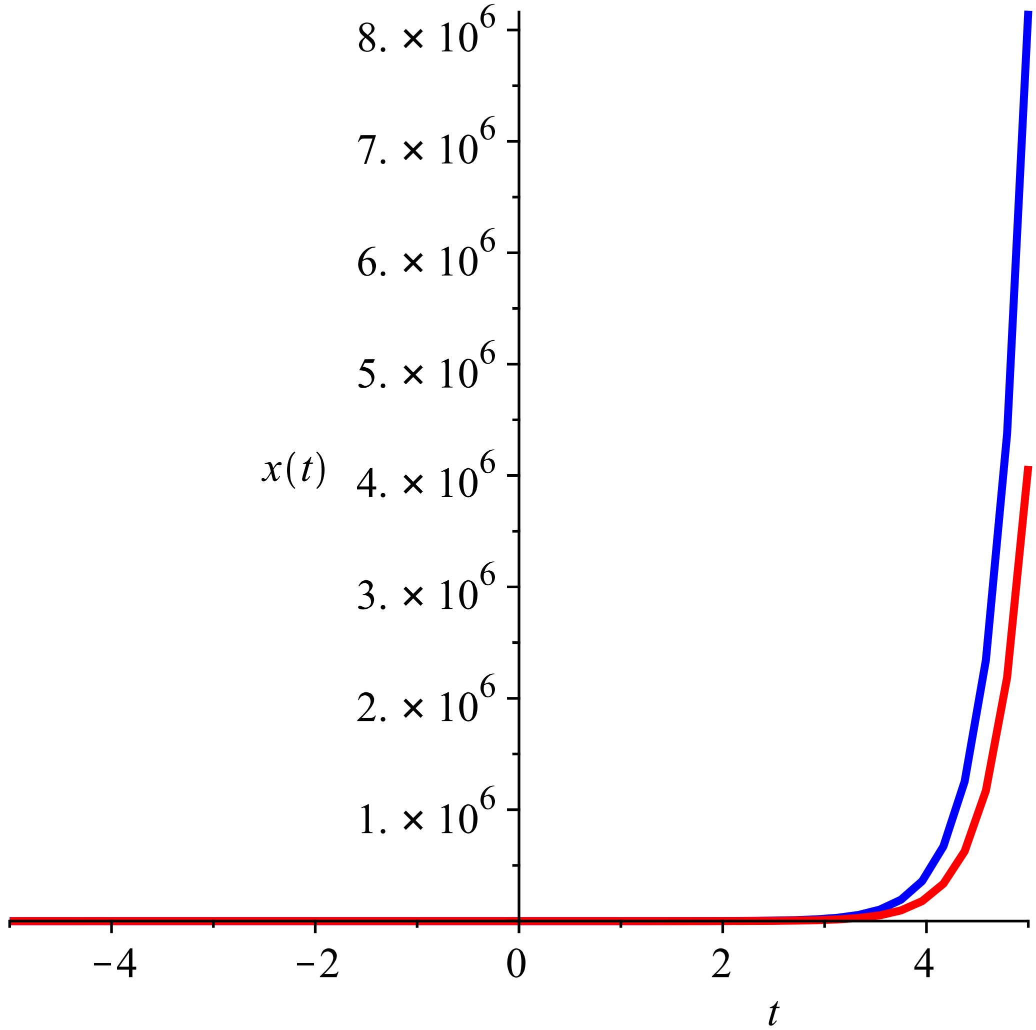
> $xx := DEplot([sist], [x, y], t = -5..5, [[cond]], linecolor = blue, scene = [t, x(t)]);$



> $yy := DEplot([sist], [x, y], t = -5..5, [[cond]], linecolor = red, scene = [t, y(t)]);$



> *display*([*xx*, *yy*]);



> *restart;*

> *ec1 := diff(x(t), t) = x(t) + 2 y(t) + exp(−t);*

$$ec1 := \frac{d}{dt}\, x(t) = x(t) + 2\, y(t) + e^{-t} \tag{28}$$

> *ec2 := diff(y(t), t) = −2 x(t) + y(t) + 1;*

$$ec2 := \frac{d}{dt}\, y(t) = -2\, x(t) + y(t) + 1 \tag{29}$$

> *cond := x(0) = 0, y(0) = 1;*

$$cond := x(0) = 0, y(0) = 1 \tag{30}$$

> *with(DEtools) :*

> *sist := ec1, ec2;*

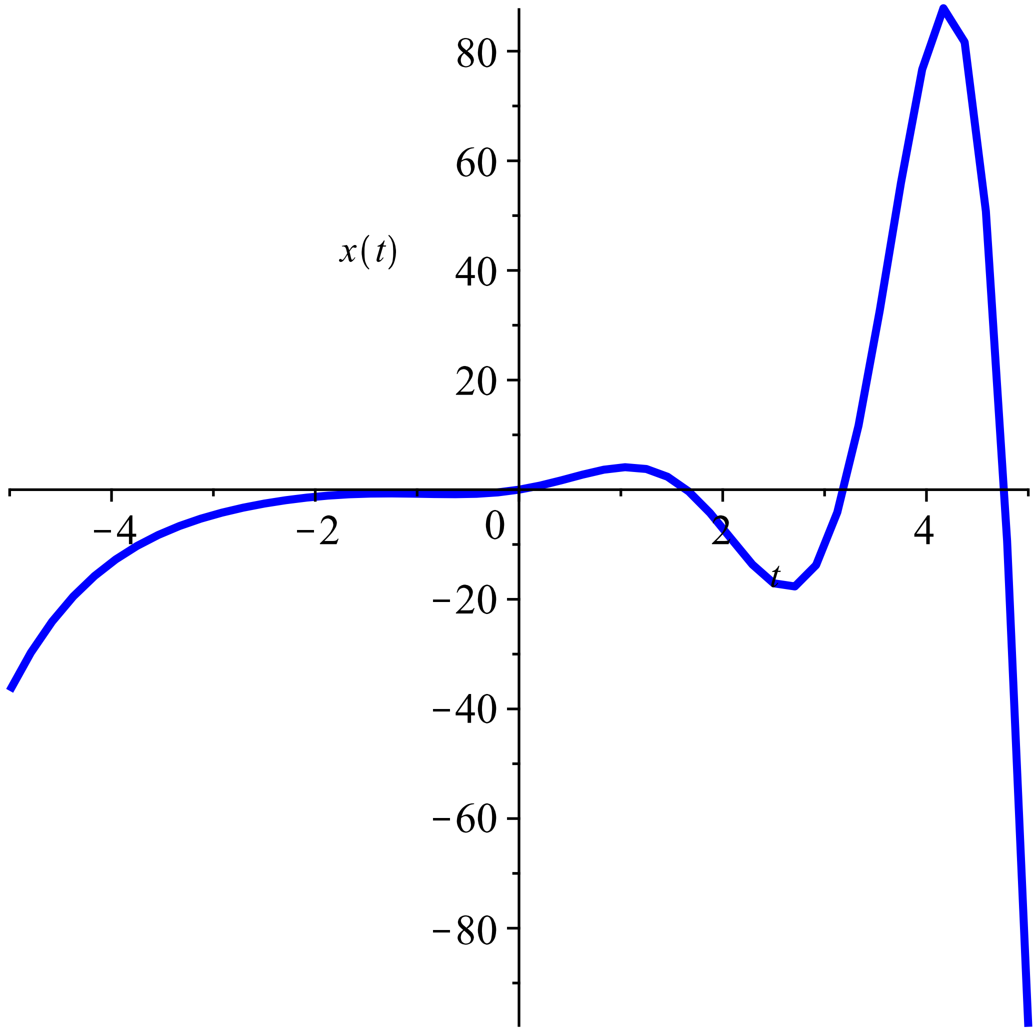
$$sist := \frac{d}{dt}\, x(t) = x(t) + 2\, y(t) + e^{-t}, \frac{d}{dt}\, y(t) = -2\, x(t) + y(t) + 1 \tag{31}$$

> *dsolve({sist, cond}, {x(t), y(t)});*

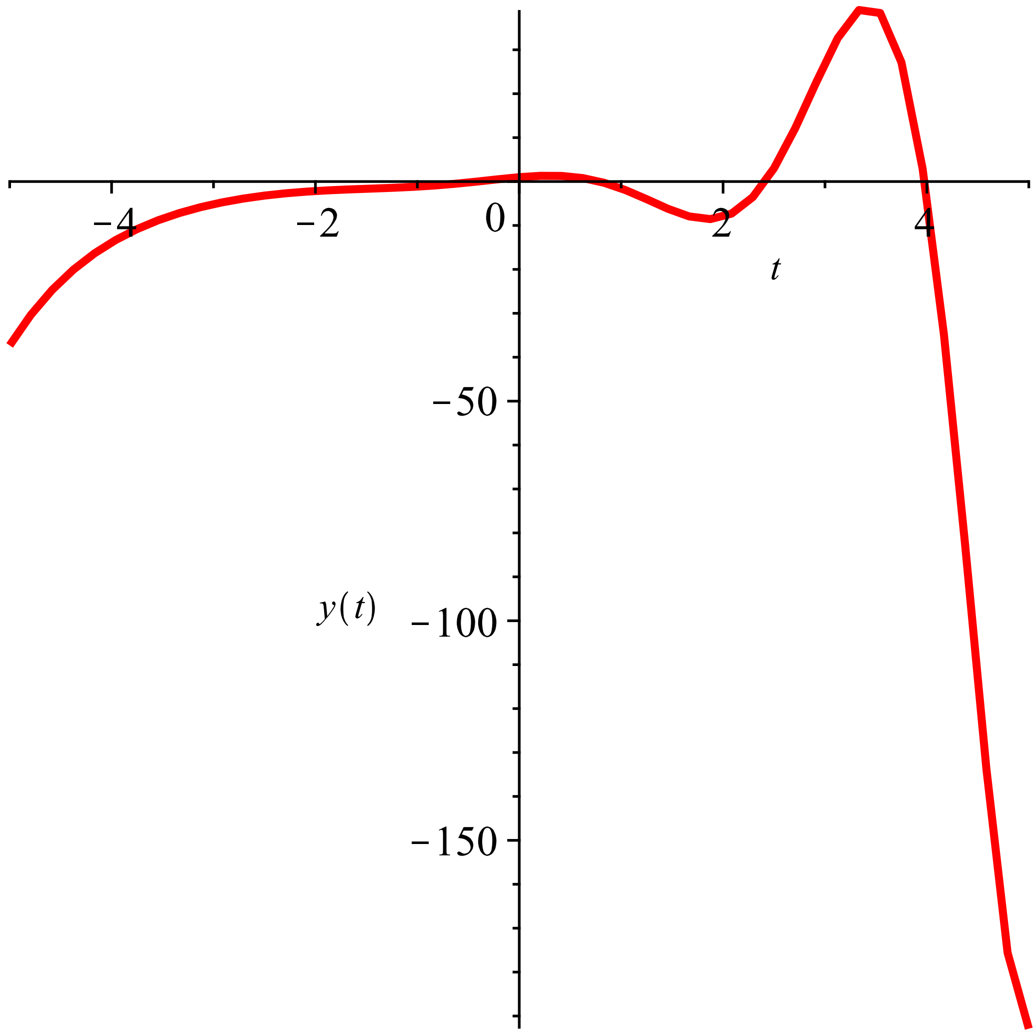
$$\left\{x(t) = -\frac{3\, e^{t} \cos(2\, t)}{20} + \frac{29\, e^{t} \sin(2\, t)}{20} - \frac{e^{-t}}{4} + \frac{2}{5}, y(t) = \frac{3\, e^{t} \sin(2\, t)}{20} + \frac{29\, e^{t} \cos(2\, t)}{20} - \frac{1}{5} - \frac{e^{-t}}{4}\right\} \tag{32}$$

> $with(plots):$

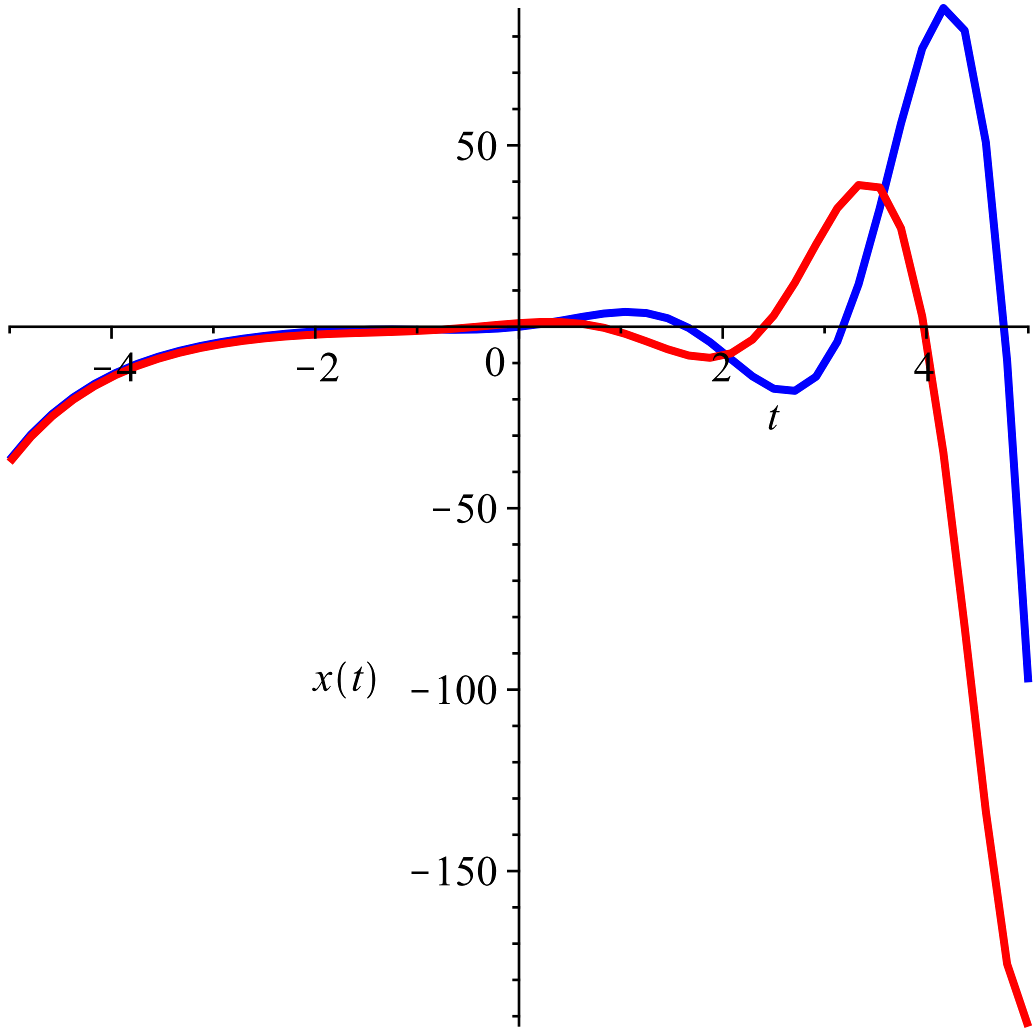
> $xx := DEplot([sist], [x, y], t = -5..5, [[cond]], linecolor = blue, scene = [t, x(t)]);$



> $yy := DEplot([sist], [x, y], t = -5..5, [[cond]], linecolor = red, scene = [t, y(t)]);$



> *display*([*xx*, *yy*]);



> restart;

> ec1 := diff(x(t), t) =-x(t) + 3 y(t) + 3 z(t) + 27 t^2;

$$ec1 := \frac{d}{dt}\, x(t) = -x(t) + 3\, y(t) + 3\, z(t) + 27\, t^2 \quad \textbf{(33)}$$

> ec2 := diff(y(t), t) = 2 x(t) − 2 y(t) − 5 z(t) + 3 t;

$$ec2 := \frac{d}{dt}\, y(t) = 2\, x(t) - 2\, y(t) - 5\, z(t) + 3\, t \quad \textbf{(34)}$$

> ec3 := diff(z(t), t) =-2 x(t) + 3 y(t) + 6 z(t) + 3;

$$ec3 := \frac{d}{dt}\, z(t) = -2\, x(t) + 3\, y(t) + 6\, z(t) + 3 \quad \textbf{(35)}$$

> sist := ec1, ec2, ec3;

$$sist := \frac{d}{dt}\, x(t) = -x(t) + 3\, y(t) + 3\, z(t) + 27\, t^2,\ \frac{d}{dt}\, y(t) = 2\, x(t) - 2\, y(t) - 5\, z(t) + 3\, t,\ \frac{d}{dt}\, z(t) = -2\, x(t) + 3\, y(t) + 6\, z(t) + 3 \quad \textbf{(36)}$$

> cond := x(0) = 50, y(0) =-30, z(0) = 26;

$$cond := x(0) = 50,\ y(0) = -30,\ z(0) = 26 \quad \textbf{(37)}$$

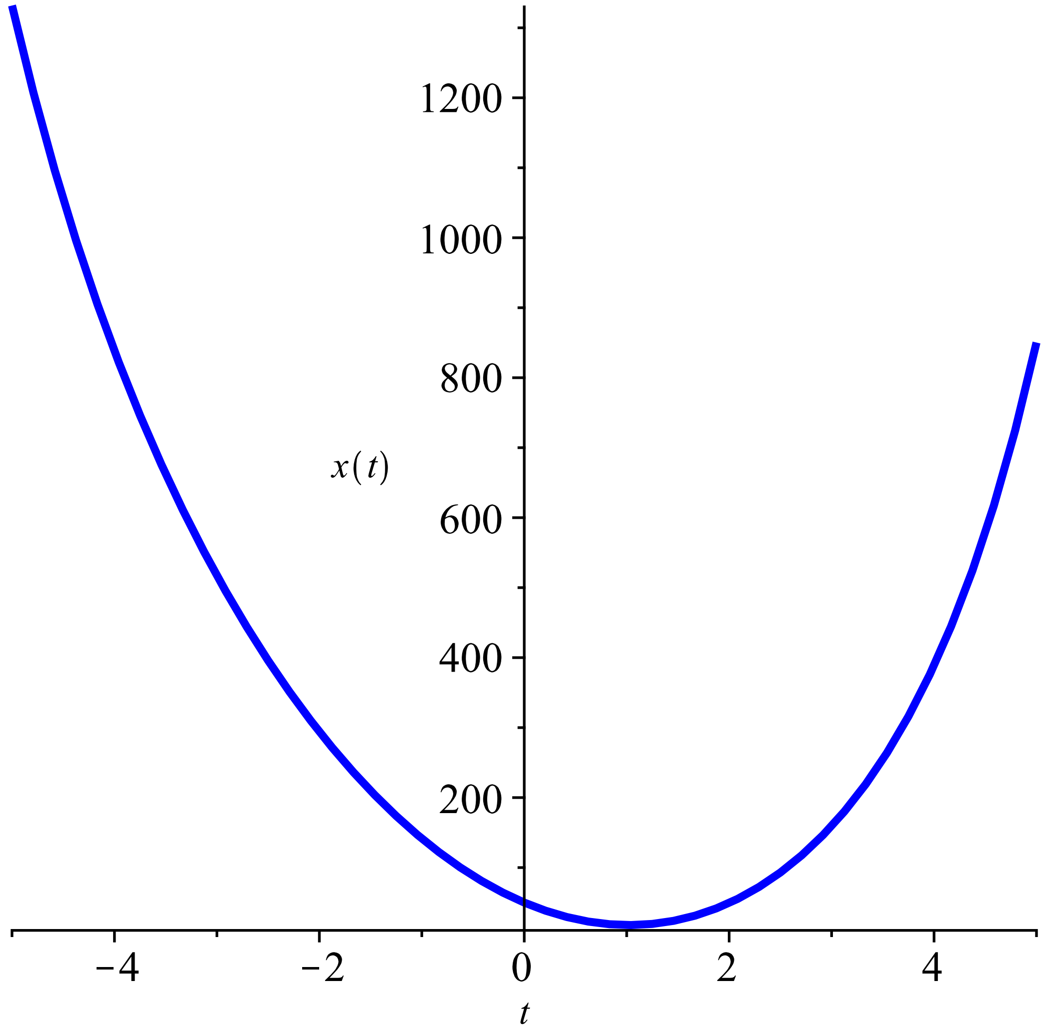
> with(DEtools) :

> $dsolve(\{sist, cond\}, \{x(t), y(t), z(t)\});$

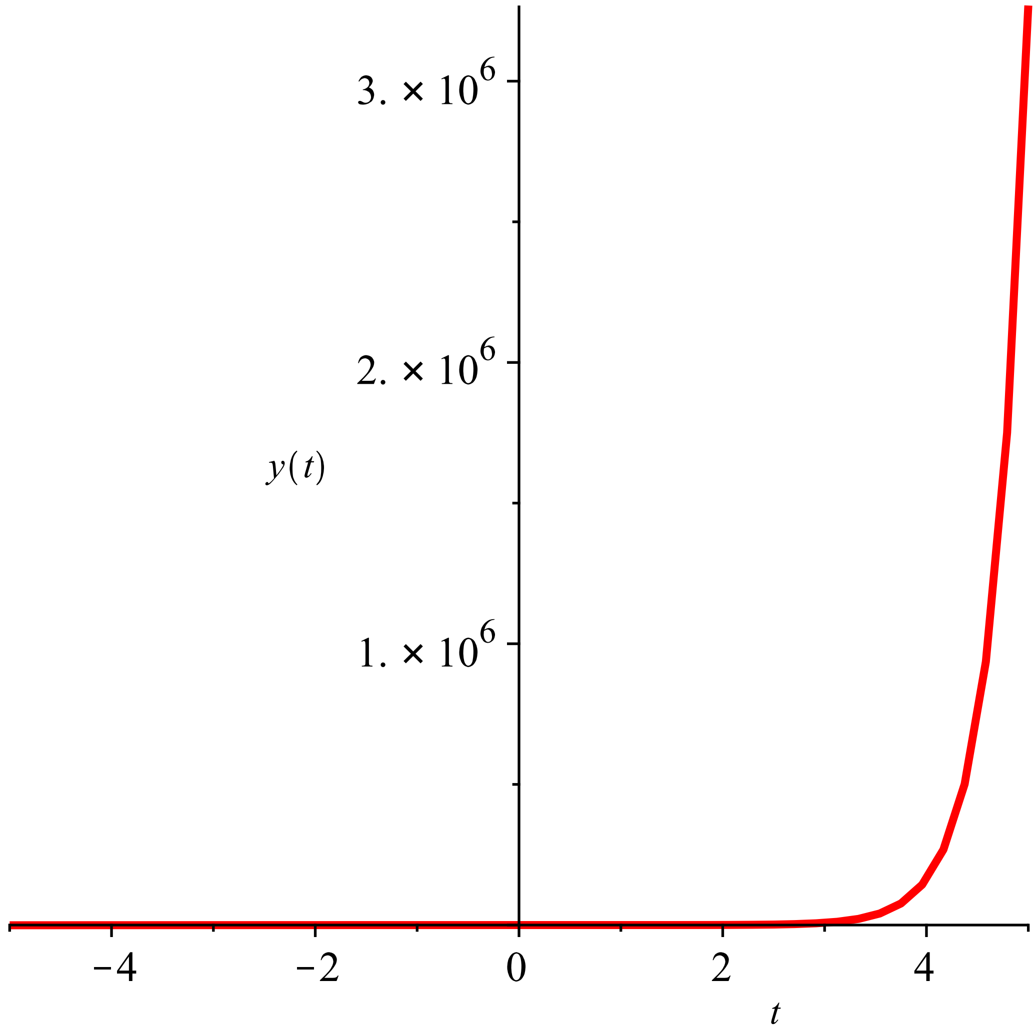
$$\{x(t) = 2\,e^{-t} + 3\,e^{t} + 27\,t^2 - 63\,t + 45, y(t) = e^{3\,t} + 2\,e^{t} - 18\,t^2 + 24\,t - 32 - e^{-t}, z(t) = -e^{3\,t} - 27\,t + 18\,t^2 + 26 + e^{-t}\} \quad \textbf{(38)}$$

> $with(plots):$

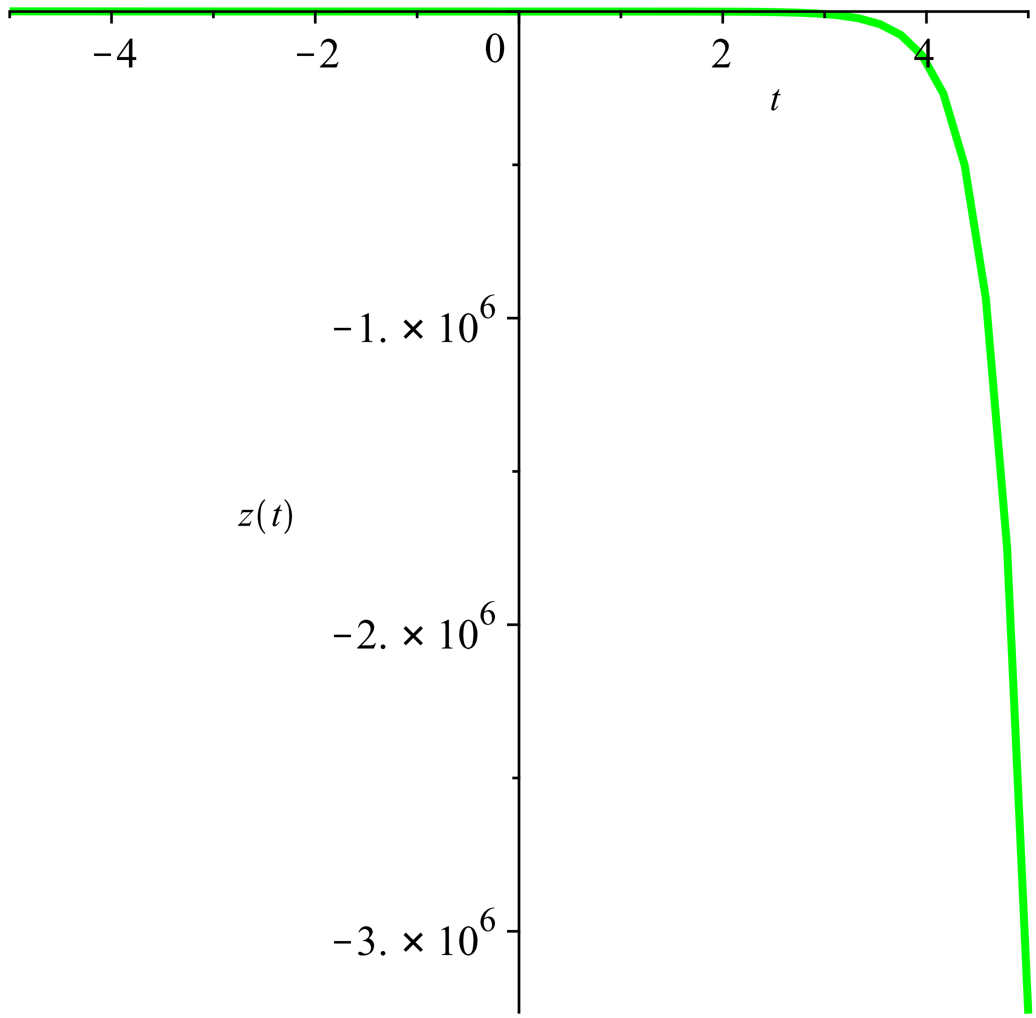
> $xx := DEplot([sist], [x, y, z], t = -5..5, [[cond]], linecolor = blue, scene = [t, x(t)]);$



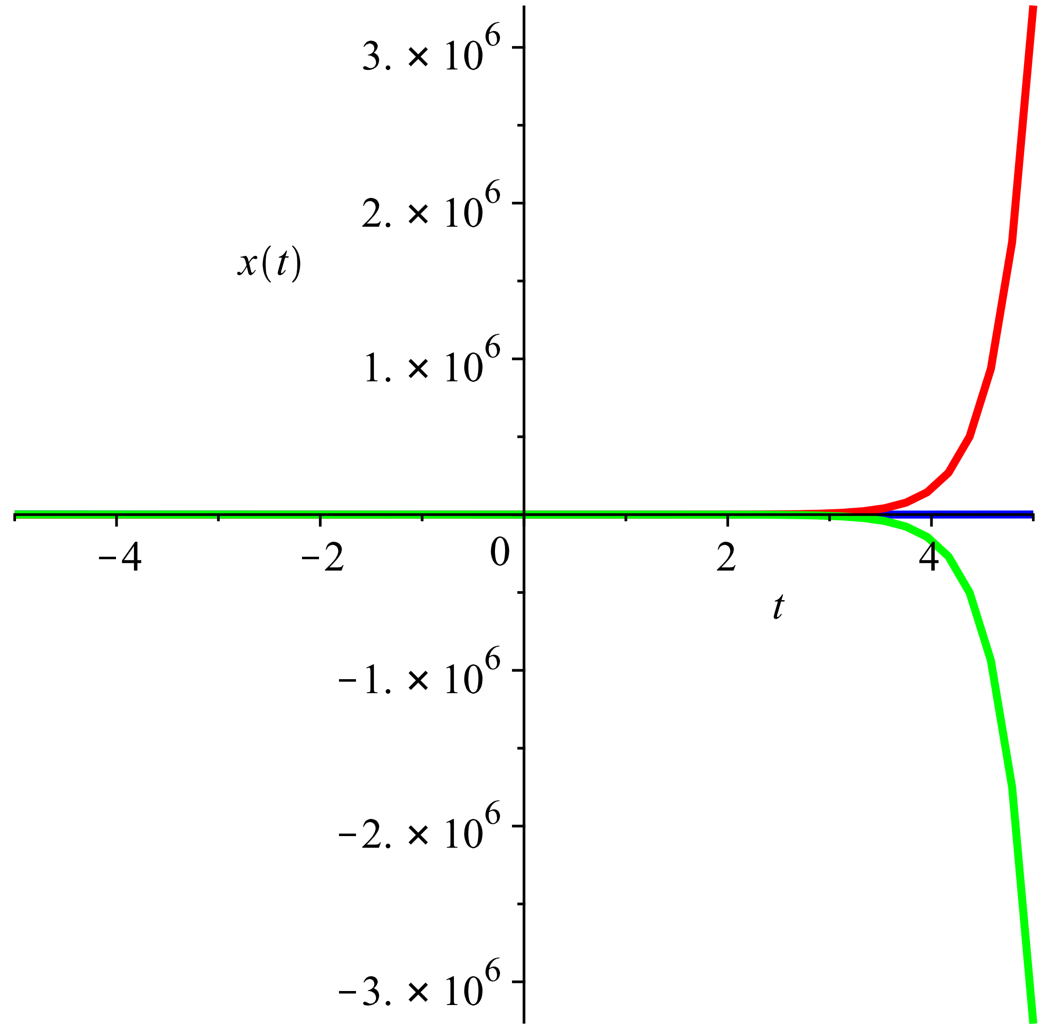
> $yy := DEplot([sist], [x, y, z], t = -5..5, [[cond]], linecolor = red, scene = [t, y(t)]);$



> $zz := DEplot([sist], [x, y, z], t = -5..5, [[cond]], linecolor = green, scene = [t, z(t)]);$



> $display([xx, yy, zz]);$



> restart;

> ec1 := diff(x(t), t) = x(t) + y(t);

$$ec1 := \frac{d}{dt}\,x(t) = x(t) + y(t) \tag{39}$$

> ec2 := diff(y(t), t) = -2 x(t) + 4 y(t);

$$ec2 := \frac{d}{dt}\,y(t) = -2\,x(t) + 4\,y(t) \tag{40}$$

> sist := ec1, ec2;

$$sist := \frac{d}{dt}\,x(t) = x(t) + y(t),\ \frac{d}{dt}\,y(t) = -2\,x(t) + 4\,y(t) \tag{41}$$

> cond := x(0) = 3, y(0) = 0;

$$cond := x(0) = 3, y(0) = 0 \tag{42}$$

> with(DEtools) :

> sol := dsolve({sist, cond}, {x(t), y(t)});

$$sol := \{x(t) = 6\,e^{2t} - 3\,e^{3t}, y(t) = 6\,e^{2t} - 6\,e^{3t}\} \tag{43}$$

> limit(sol[1], t = infinity);

$$\lim_{t \to \infty} x(t) = -\infty \tag{44}$$

> limit(sol[2], t=infinity);

$$\lim_{t \to \infty} y(t) = -\infty \quad (45)$$

> cond2 := x(0) = 2, y(0) = 3;

$$cond2 := x(0) = 2, y(0) = 3 \quad (46)$$

> sol2 := dsolve({sist, cond2}, {x(t), y(t)});

$$sol2 := \{x(t) = e^{2t} + e^{3t}, y(t) = e^{2t} + 2\,e^{3t}\} \quad (47)$$

> limit(sol2[1], t=infinity);

$$\lim_{t \to \infty} x(t) = \infty \quad (48)$$

> limit(sol2[2], t=infinity);

$$\lim_{t \to \infty} y(t) = \infty \quad (49)$$

> cond3 := x(0) =-3, y(0) = 0;

$$cond3 := x(0) = -3, y(0) = 0 \quad (50)$$

> sol3 := dsolve({sist, cond3}, {x(t), y(t)});

$$sol3 := \{x(t) = -6\,e^{2t} + 3\,e^{3t}, y(t) = -6\,e^{2t} + 6\,e^{3t}\} \quad (51)$$

> limit(sol3[1], t=infinity);

$$\lim_{t \to \infty} x(t) = \infty \quad (52)$$

> limit(sol3[2], t=infinity);

$$\lim_{t \to \infty} y(t) = \infty \quad (53)$$

> cond4 := x(0) =-2, y(0) =-3;

$$cond4 := x(0) = -2, y(0) = -3 \quad (54)$$

> sol4 := dsolve({sist, cond4}, {x(t), y(t)});

$$sol4 := \{x(t) = -e^{2t} - e^{3t}, y(t) = -e^{2t} - 2\,e^{3t}\} \quad (55)$$

> limit(sol4[1], t=infinity);

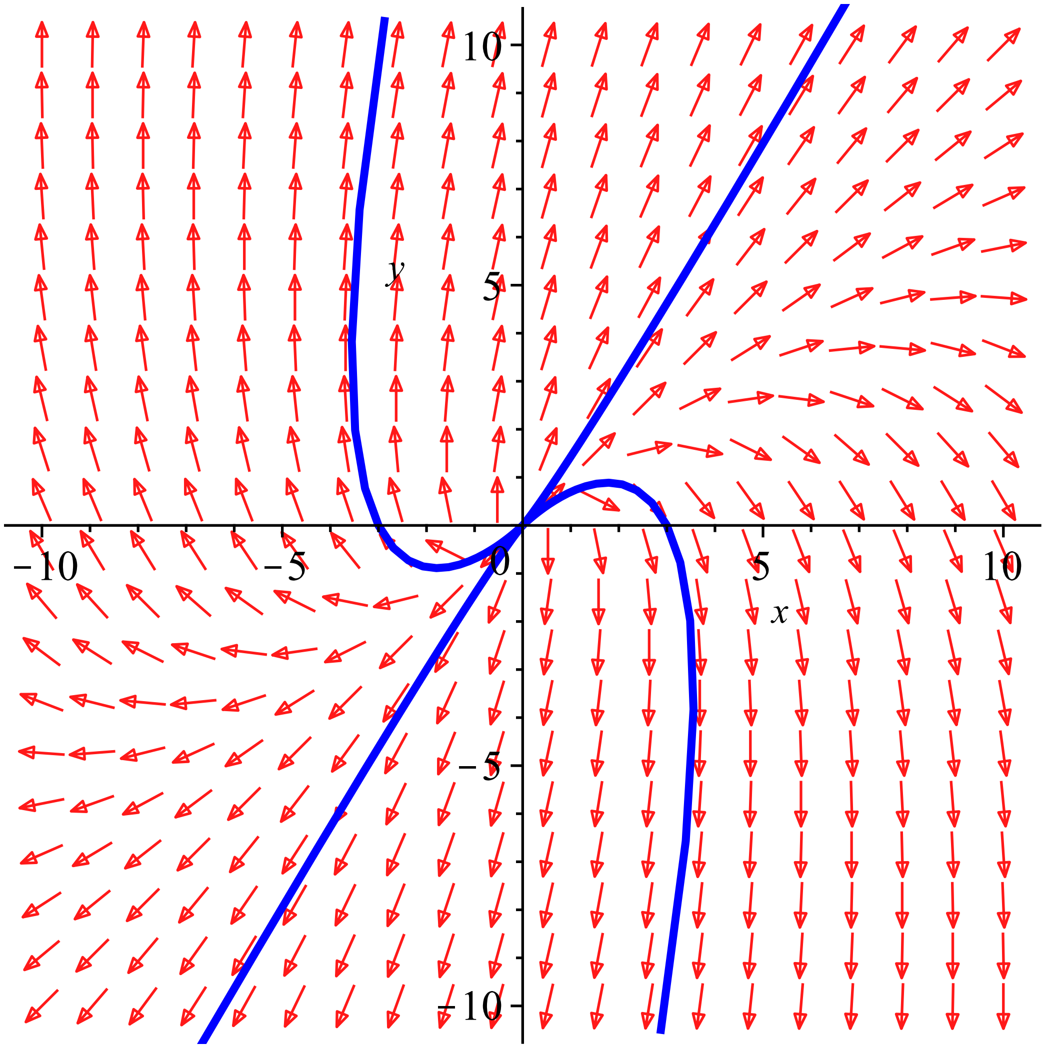
$$\lim_{t \to \infty} x(t) = -\infty \quad (56)$$

> limit(sol4[2], t=infinity);

$$\lim_{t \to \infty} y(t) = -\infty \quad (57)$$

> with(plots) :

> DEplot([sist], [x(t), y(t)], t=-4..4, x=-10..10, y=-10..10, [[cond], [cond2], [cond3], [cond4]], arrows = medium, linecolor = blue, stepsize = 0.1);



> *restart*;

> *ec1* := *diff*(*x*(*t*), *t*) = *y*(*t*);

$$ec1 := \frac{\mathrm{d}}{\mathrm{d}t}\, x(t) = y(t) \tag{58}$$

> *ec2* := *diff*(*y*(*t*), *t*) = −*x*(*t*) − 2 *y*(*t*);

$$ec2 := \frac{\mathrm{d}}{\mathrm{d}t}\, y(t) = -x(t) - 2\, y(t) \tag{59}$$

> *sist* := *ec1*, *ec2*;

$$sist := \frac{\mathrm{d}}{\mathrm{d}t}\, x(t) = y(t), \frac{\mathrm{d}}{\mathrm{d}t}\, y(t) = -x(t) - 2\, y(t) \tag{60}$$

> *with*(*DEtools*) :

> *sol* := *dsolve*({*sist*}, {*x*(*t*), *y*(*t*)});

$$sol := \left\{x(t) = \mathrm{e}^{-t}\,(\_C2\, t + \_C1), y(t) = -\mathrm{e}^{-t}\,(\_C2\, t + \_C1 - \_C2)\right\} \tag{61}$$

> *limit*(*sol*[1], *t* = infinity);

$$\lim_{t \to \infty} x(t) = 0 \tag{62}$$

> *limit*(*sol*[2], *t* = infinity);

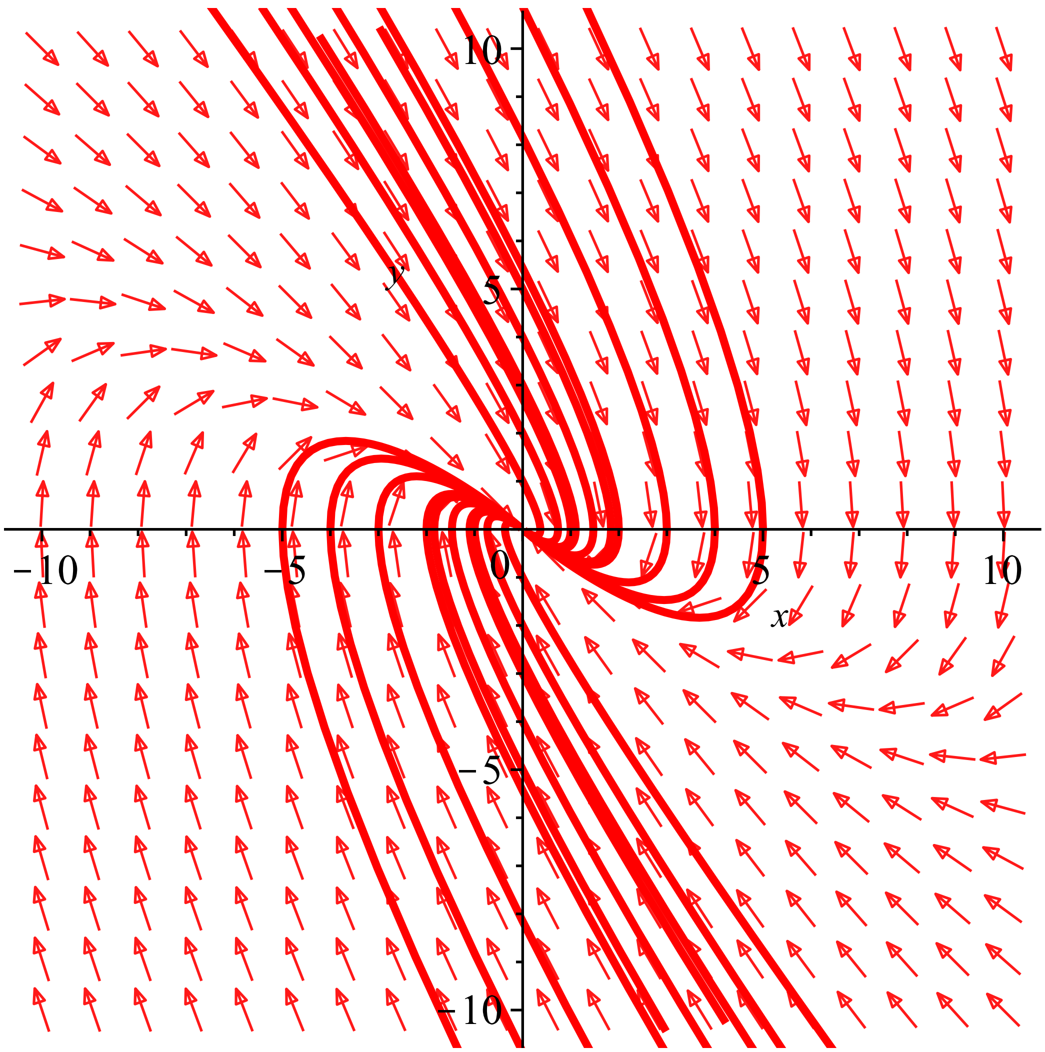
$$\lim_{t \to \infty} y(t) = 0 \tag{63}$$

> $cond := [x(0)=0, y(0)=i]\$i=1..5, [x(0)=0, y(0)=-i]\$i=1..5, [x(0)=i, y(0)=0]\$i=1..5, [x(0)=-i, y(0)=0]\$i=1..5;$

$$cond := [x(0)=0, y(0)=1], [x(0)=0, y(0)=2], [x(0)=0, y(0)=3], [x(0)=0, y(0)=4], [x(0)=0, y(0)=5], [x(0)=0, y(0)=-1], [x(0)=0, y(0)=-2], [x(0)=0, y(0)=-3], [x(0)=0, y(0)=-4], [x(0)=0, y(0)=-5], [x(0)=1, y(0)=0], [x(0)=2, y(0)=0], [x(0)=3, y(0)=0], [x(0)=4, y(0)=0], [x(0)=5, y(0)=0], [x(0)=-1, y(0)=0], [x(0)=-2, y(0)=0], [x(0)=-3, y(0)=0], [x(0)=-4, y(0)=0], [x(0)=-5, y(0)=0] \quad (64)$$

> $with(plots):$

> $DEplot([sist], [x(t), y(t)], t=-5..5, x=-10..10, y=-10..10, [cond], arrows=medium, linecolor=red, stepsize=0.1);$



> $restart;$

> $ec1 := diff(x(t), t) = 2\,x(t) + y(t);$

$$ec1 := \frac{d}{dt}\, x(t) = 2\,x(t) + y(t) \quad (65)$$

> $ec2 := diff(y(t), t) = x(t) + 2\,y(t);$

$$ec2 := \frac{d}{dt}\, y(t) = x(t) + 2\,y(t) \quad (66)$$

> $sist := ec1, ec2;$

$$sist := \frac{d}{dt}\, x(t) = 2\,x(t) + y(t),\ \frac{d}{dt}\, y(t) = x(t) + 2\,y(t) \quad \textbf{(67)}$$

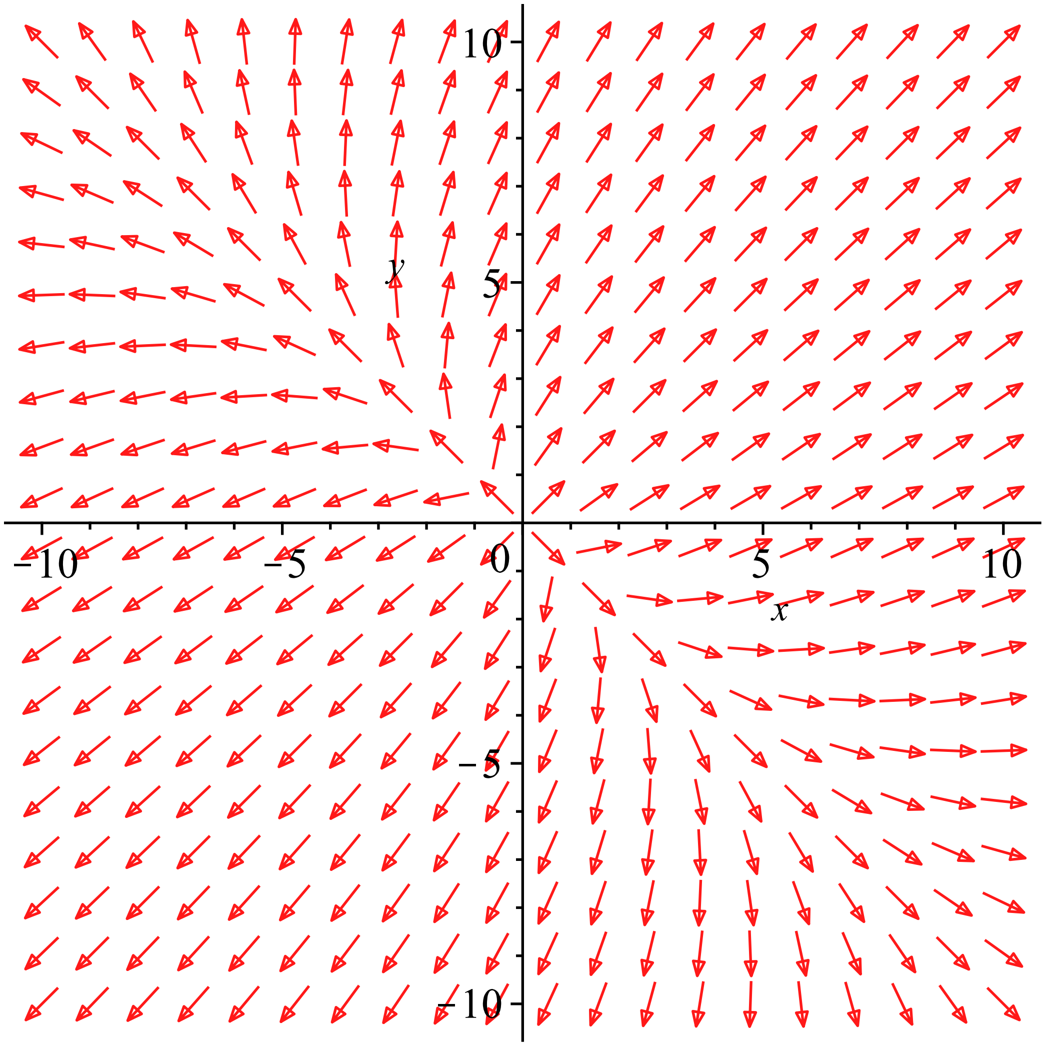
> $with(plots):$

> $with(DEtools):$

> $dsolve(\{sist\}, \{x(t), y(t)\});$

$$\{x(t) = \_C1\, e^{3t} + \_C2\, e^{t},\ y(t) = \_C1\, e^{3t} - \_C2\, e^{t}\} \quad \textbf{(68)}$$

> $DEplot([sist], [x(t), y(t)], t = -5..5, x = -10..10, y = -10..10, arrows = medium);$



> $restart$

> $ec1 := diff(x(t), t) = -x(t) - y(t);$

$$ec1 := \frac{d}{dt}\, x(t) = -x(t) - y(t) \quad \textbf{(69)}$$

> $ec2 := diff(y(t), t) = x(t) - y(t);$

$$ec2 := \frac{d}{dt}\, y(t) = x(t) - y(t) \quad \textbf{(70)}$$

> $sist := ec1, ec2;$

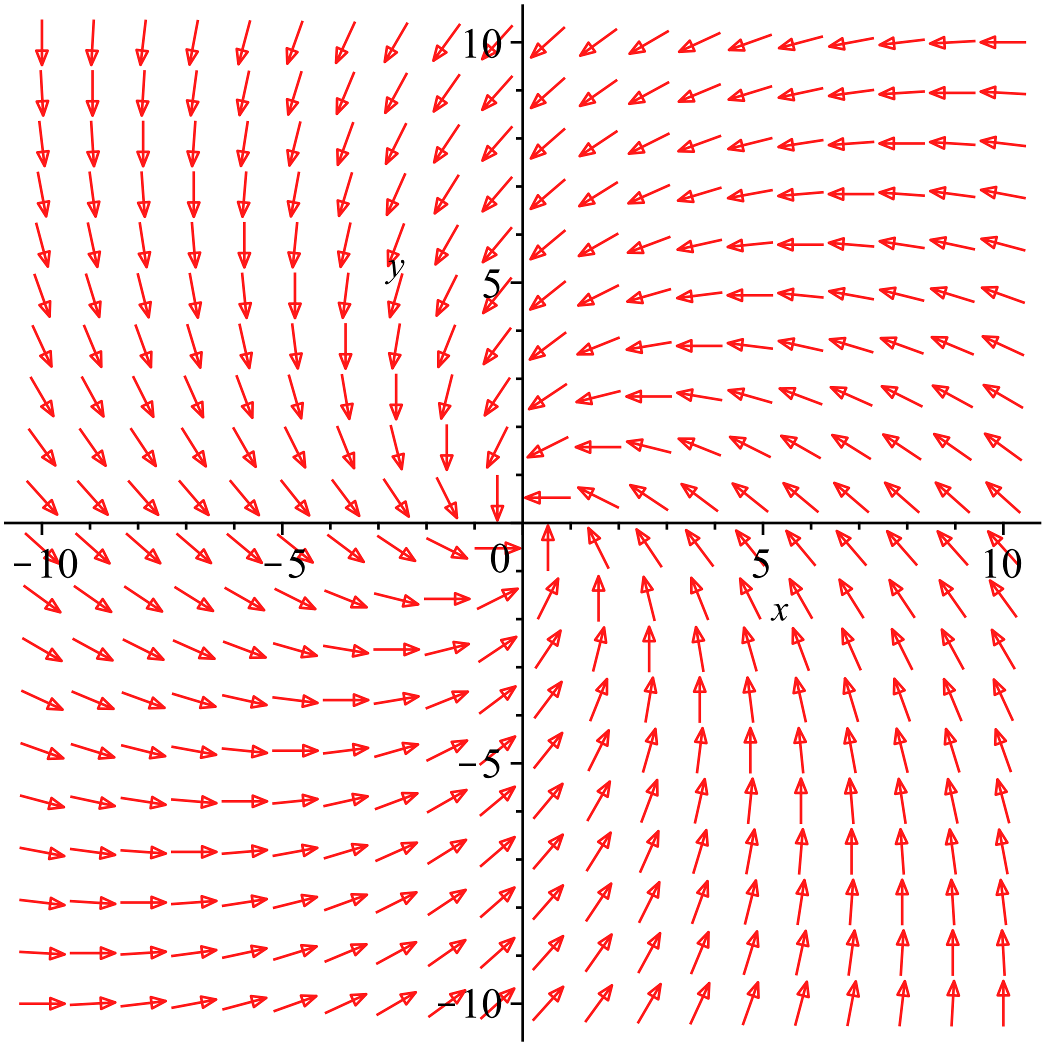
$$sist := \frac{d}{dt}\, x(t) = -x(t) - y(t),\ \frac{d}{dt}\, y(t) = x(t) - y(t) \quad \textbf{(71)}$$

> $dsolve(\{sist\}, \{x(t), y(t)\});$

$$\{x(t) = e^{-t}(\_C2\cos(t) + \_C1\sin(t)), y(t) = -e^{-t}(\cos(t)\,\_C1 - \sin(t)\,\_C2)\} \quad \textbf{(72)}$$

> $with(DEtools) : with(plots) :$

> $DEplot([sist], [x(t), y(t)], t=-5..5, x=-10..10, y=-10..10, arrows=medium);$



> $restart$

> $ec1 := diff(x(t), t) = y(t);$

$$ec1 := \frac{d}{dt}\,x(t) = y(t) \quad \textbf{(73)}$$

> $ec2 := diff(y(t), t) = -x(t);$

$$ec2 := \frac{d}{dt}\,y(t) = -x(t) \quad \textbf{(74)}$$

> $sist := ec1, ec2;$

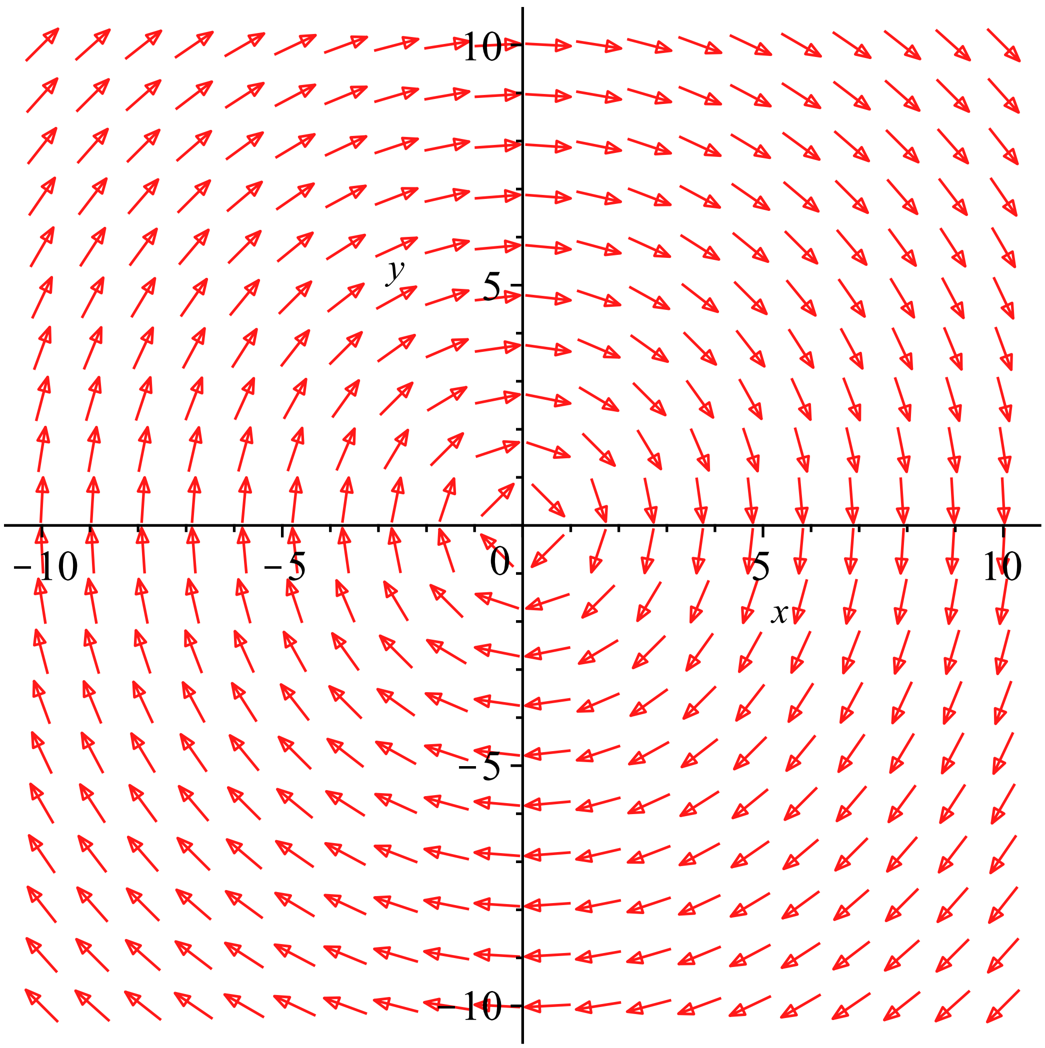
$$sist := \frac{d}{dt}\,x(t) = y(t), \frac{d}{dt}\,y(t) = -x(t) \quad \textbf{(75)}$$

> $dsolve(\{sist\}, \{x(t), y(t)\});$

$$\{x(t) = \_C1\sin(t) + \_C2\cos(t), y(t) = \_C1\cos(t) - \_C2\sin(t)\} \quad \textbf{(76)}$$

> $with(DEtools) : with(plots) :$

> $DEplot([sist], [x(t), y(t)], t=-5..5, x=-10..10, y=-10..10, arrows=medium);$



> restart

> $ec1 := diff(x(t), t) = -2\,x(t);$

$$ec1 := \frac{d}{dt}\, x(t) = -2\, x(t) \quad \textbf{(77)}$$

> $ec2 := diff(y(t), t) = -4\,x(t) - 2\,y(t);$

$$ec2 := \frac{d}{dt}\, y(t) = -4\, x(t) - 2\, y(t) \quad \textbf{(78)}$$

> $sist := ec1, ec2;$

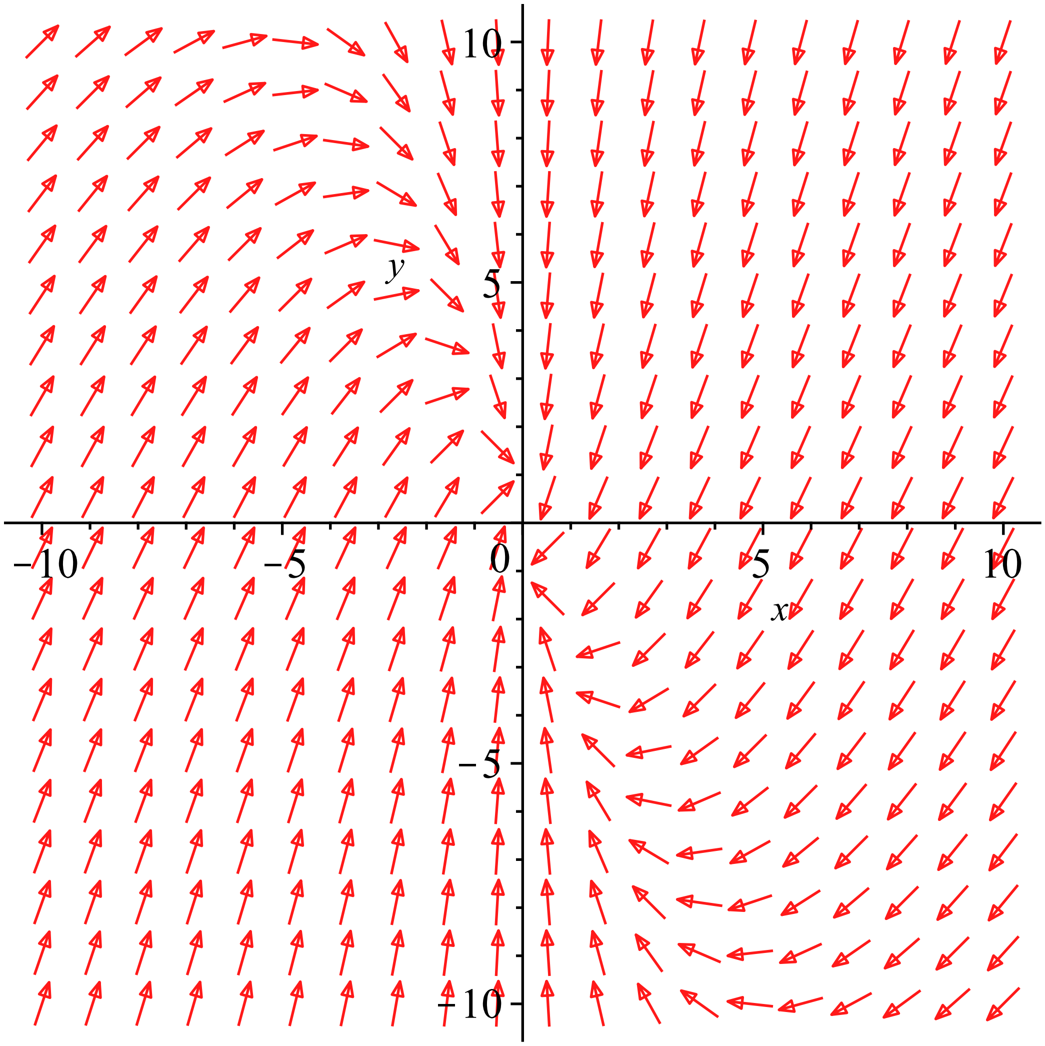
$$sist := \frac{d}{dt}\, x(t) = -2\, x(t),\ \frac{d}{dt}\, y(t) = -4\, x(t) - 2\, y(t) \quad \textbf{(79)}$$

> $dsolve(\{sist\}, \{x(t), y(t)\});$

$$\{x(t) = \_C2\, e^{-2t}, y(t) = (-4\, \_C2\, t + \_C1)\, e^{-2t}\} \quad \textbf{(80)}$$

> $with(DEtools) : with(plots) :$

> $DEplot([sist], [x(t), y(t)], t = -5..5, x = -10..10, y = -10..10, arrows = medium);$



> restart

> ec1 := diff(x(t), t) = x(t) − 4 y(t);

$$ec1 := \frac{d}{dt}\, x(t) = x(t) - 4\, y(t) \tag{81}$$

> ec2 := diff(y(t), t) = 5 x(t) − 3 y(t);

$$ec2 := \frac{d}{dt}\, y(t) = 5\, x(t) - 3\, y(t) \tag{82}$$

> sist := ec1, ec2;

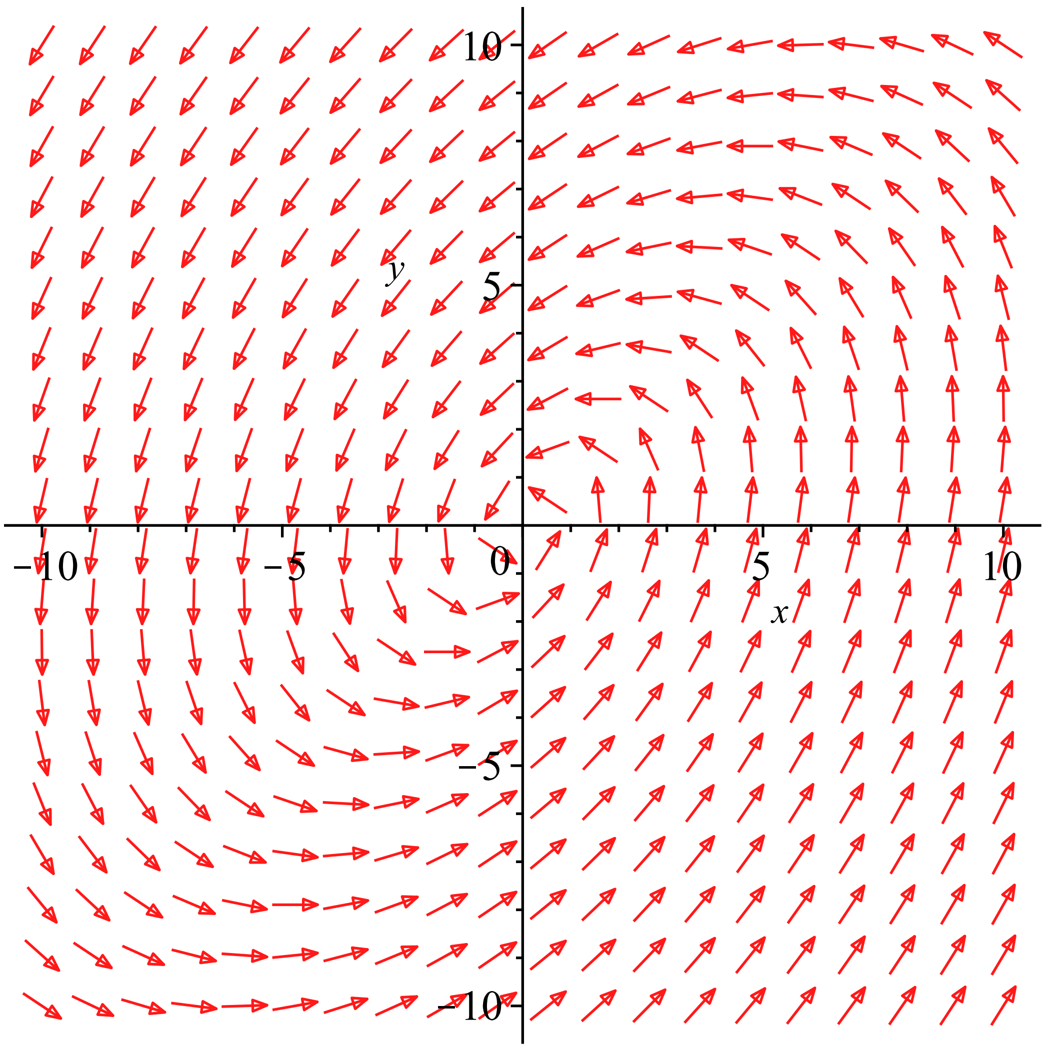
$$sist := \frac{d}{dt}\, x(t) = x(t) - 4\, y(t),\ \frac{d}{dt}\, y(t) = 5\, x(t) - 3\, y(t) \tag{83}$$

> dsolve({sist}, {x(t), y(t)});

$$\left\{x(t) = e^{-t}\,(\sin(4\,t)\ \_C1 + \cos(4\,t)\ \_C2),\ y(t) = \frac{e^{-t}\,(\sin(4\,t)\ \_C1 + 2\sin(4\,t)\ \_C2 - 2\cos(4\,t)\ \_C1 + \cos(4\,t)\ \_C2)}{2}\right\} \tag{84}$$

> with(DEtools) : with(plots) :

> DEplot([sist], [x(t), y(t)], t=-5 ..5, x=-10 ..10, y=-10 ..10, arrows=medium);




```
> restart
> ec1 := diff(x(t), t) = 3 x(t) - y(t);
```

$$ec1 := \frac{d}{dt}\, x(t) = 3\, x(t) - y(t) \quad \textbf{(85)}$$

```
> ec2 := diff(y(t), t) = y(t);
```

$$ec2 := \frac{d}{dt}\, y(t) = y(t) \quad \textbf{(86)}$$

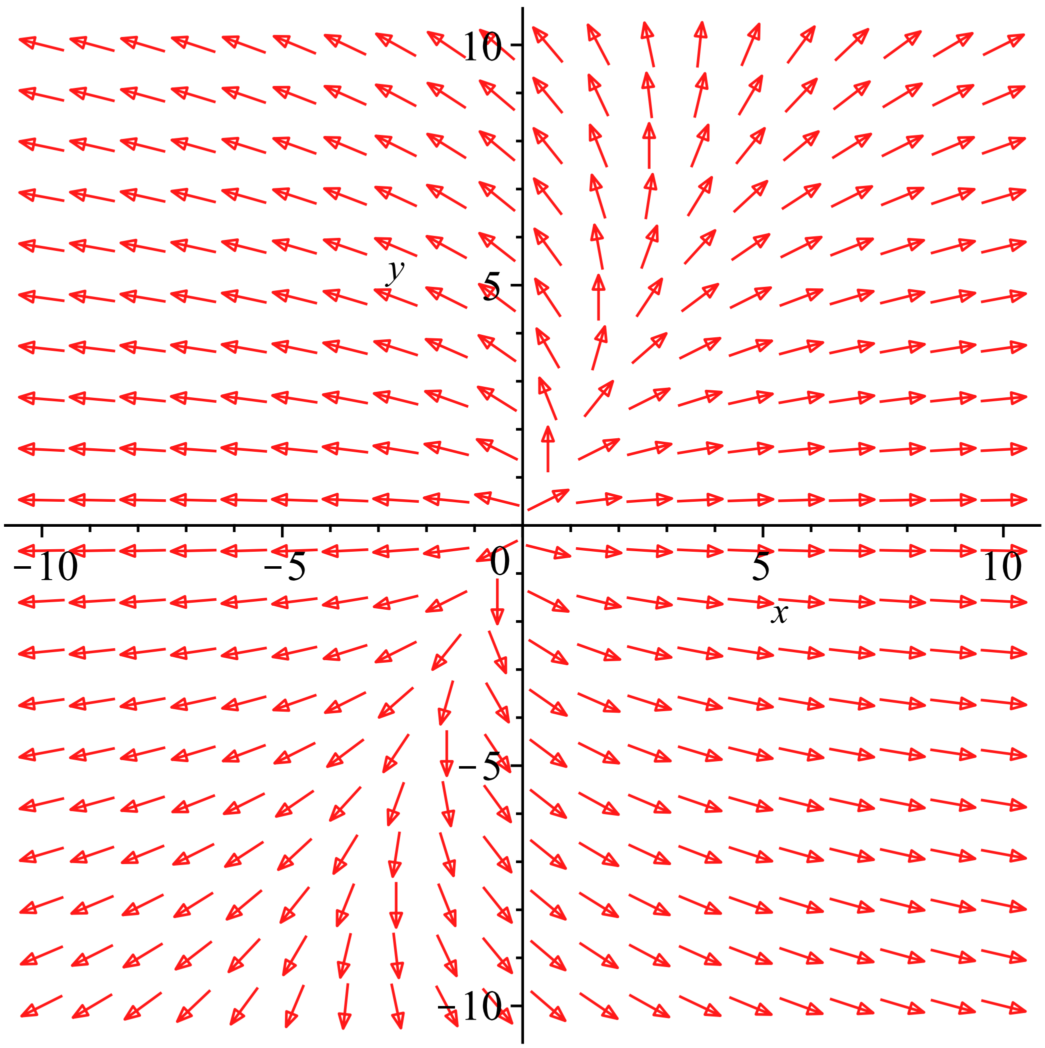
```
> sist := ec1, ec2;
```

$$sist := \frac{d}{dt}\, x(t) = 3\, x(t) - y(t),\ \frac{d}{dt}\, y(t) = y(t) \quad \textbf{(87)}$$

```
> dsolve({sist}, {x(t), y(t)});
```

$$\left\{x(t) = \frac{\_C2\, e^{t}}{2} + e^{3t}\,\_C1,\ y(t) = \_C2\, e^{t}\right\} \quad \textbf{(88)}$$

```
> with(DEtools) : with(plots) :
> DEplot([sist], [x(t), y(t)], t=-5..5, x=-10..10, y=-10..10, arrows = medium);
```



> #sistemele b,c,d,e au limitele x(t),y(t) egale cu 0

>