> $\textit{with}(\textit{DEtools})$

$[\textit{AreSimilar, DEnormal, DEplot, DEplot3d, DEplot\_polygon, DFactor,}$ **(1)**
$\quad \textit{DFactorLCLM, DFactorsols, Dchangevar, FunctionDecomposition, GCRD,}$
$\quad \textit{Gosper, Heunsols, Homomorphisms, IsHyperexponential, LCLM, MeijerGsols,}$
$\quad \textit{MultiplicativeDecomposition, ODEInvariants, PDEchangecoords,}$
$\quad \textit{PolynomialNormalForm, RationalCanonicalForm, ReduceHyperexp,}$
$\quad \textit{RiemannPsols, Xchange, Xcommutator, Xgauge, Zeilberger, abelsol, adjoint,}$
$\quad \textit{autonomous, bernoullisol, buildsol, buildsym, canoni, caseplot, casesplit,}$
$\quad \textit{checkrank, chinisol, clairautsol, constcoeffsols, convertAlg, convertsys,}$
$\quad \textit{dalembertsol, dcoeffs, de2diffop, dfieldplot, diff\_table, diffop2de,}$
$\quad \textit{dperiodic\_sols, dpolyform, dsubs, eigenring, endomorphism\_charpoly,}$
$\quad \textit{equinv, eta\_k, eulersols, exactsol, expsols, exterior\_power, firint, firtest,}$
$\quad \textit{formal\_sol, gen\_exp, generate\_ic, genhomosol, gensys, hamilton\_eqs,}$
$\quad \textit{hypergeomsols, hyperode, indicialeq, infgen, initialdata, integrate\_sols,}$
$\quad \textit{intfactor, invariants, kovacicsols, leftdivision, liesol, line\_int, linearsol,}$
$\quad \textit{matrixDE, matrix\_riccati, maxdimsystems, moser\_reduce, muchange, mult,}$
$\quad \textit{mutest, newton\_polygon, normalG2, ode\_int\_y, ode\_y1, odeadvisor, odepde,}$
$\quad \textit{parametricsol, particularsol, phaseportrait, poincare, polysols,}$
$\quad \textit{power\_equivalent, rational\_equivalent, ratsols, redode, reduceOrder,}$
$\quad \textit{reduce\_order, regular\_parts, regularsp, remove\_RootOf, riccati\_system,}$
$\quad \textit{riccatisol, rifread, rifsimp, rightdivision, rtaylor, separablesol, singularities,}$
$\quad \textit{solve\_group, super\_reduce, symgen, symmetric\_power, symmetric\_product,}$
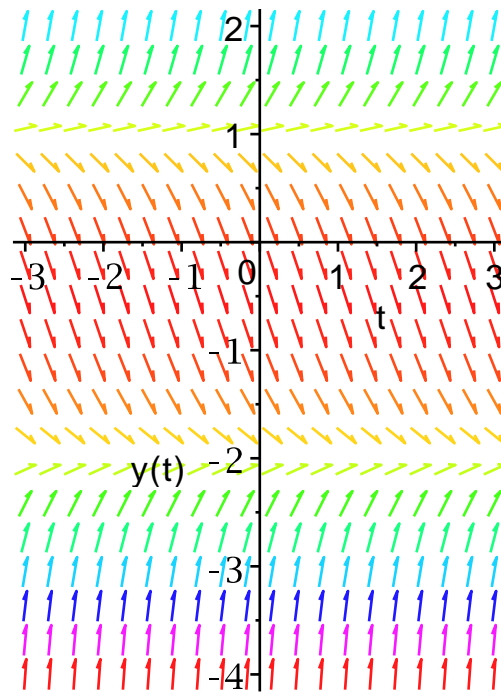$\quad \textit{symtest, transinv, translate, untranslate, varparam, zoom}]$

> $\textit{dfieldplot}\left(\dfrac{\mathrm{d}}{\mathrm{d}t}\, y(t) = 9.8 - \dfrac{y(t)}{5},\, y(t),\, t = -3..3,\, y = -3..80,\, \textit{title} \right.$
$\qquad \left. = \textasciigrave\textit{Restricted domain}\textasciigrave,\, \textit{color} = 9.8 - \dfrac{y}{5} \right)$
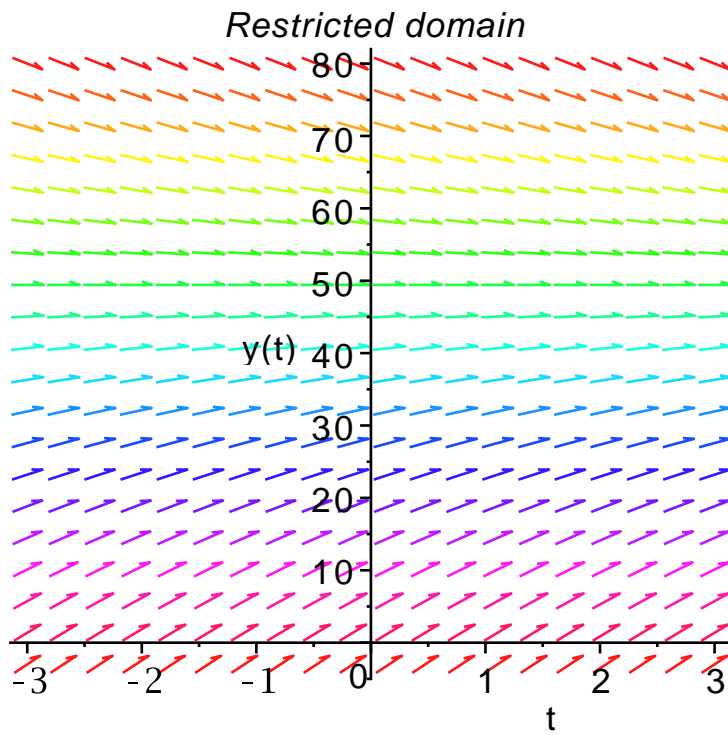
Restricted domain

$$
> dfieldplot\left(\frac{d}{dt}\, y(t) = 9.8 + \frac{y(t)}{5},\, y(t),\, t = -3..3,\, y = -80..10,\, title\right.
$$

$$
\left. = \text{`Restricted domain`},\, color = 9.8 + \frac{y}{5}\right)
$$

Restricted domain
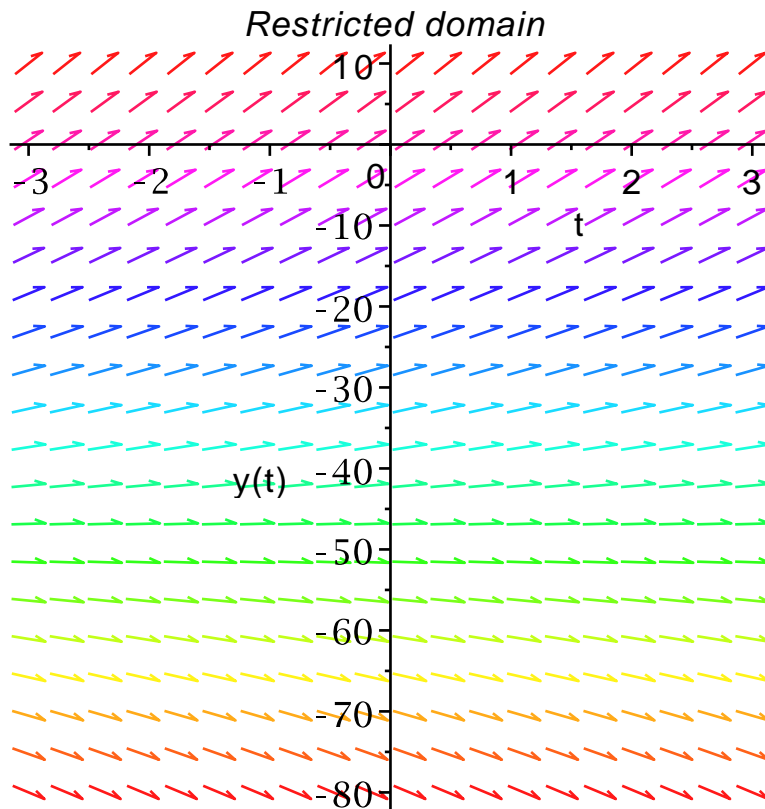
> $dfieldplot\left(\dfrac{\mathrm{d}}{\mathrm{d}t}\, y(t) = (y(t) + 2)\,(y(t) - 1),\ y(t),\ t = -3 .. 3,\ y = -4 .. 2,\ color = (y(t)\right.$
$\left. + 2)\,(y(t) - 1)\right)$

> $dfieldplot\left(\dfrac{\mathrm{d}}{\mathrm{d}t}\, y(t) = \ln(t) + y(t),\ y(t),\ t = 0.1 .. 3,\ y = -3 .. 2,\ color = \ln(t) + y(t)\right)$