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Variable): $U_T + v X = 0$, $V_T + \beta u X - 3uu X - \alpha u^3 x = 0$. Solitary Wave Solution:
 $U(x,t) = \beta c^2 \frac{1}{1 - c^2 t^2} + 8\alpha c^4 \frac{1}{3c^2 t^2} - 4\alpha c^2 \frac{1}{\tanh^2} \frac{x}{2} \frac{1}{t^2}$ Jan 1th, 2024

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8 Ordinary Differential Equations 8-4 Note That The IVP Now Has The Form , Where .
2 Code The First-order System In An M-file That Accepts Two Arguments, T And Y,
And Returns A Column Vector: Function Dy = F(t,y) Dy = [y(2); Y(3);
3*y(3)+y(2)*y(1)]; This ODE File Must Accept The Arguments T And Y, Although It
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