

Problem 25

In each of Problems 21 through 28:

- (a) Determine a suitable form for $Y(t)$ if the method of undetermined coefficients is to be used.
- (b) Use a computer algebra system to find a particular solution of the given equation.

$$y'' - 4y' + 4y = 2t^2 + 4te^{2t} + t \sin 2t$$