

DLN 2.4.6 ccd

Now evaluate again:

$$\vec{F}'' = \begin{pmatrix} y_2'' \\ 8/3 - y_1'' \end{pmatrix} = \begin{pmatrix} 1.764709 \\ .972110 \end{pmatrix}$$

Now correct a second time:

$$\vec{y}'' = \frac{1}{3} \frac{9}{21} \begin{pmatrix} 1.764709 \\ .972110 \end{pmatrix} + \begin{pmatrix} 1.174068 \\ 1.643357 \end{pmatrix} = \begin{pmatrix} 1.694657 \\ 1.764871 \end{pmatrix}$$

2nd corrected result

Evaluate again

$$\vec{F}''' = \begin{pmatrix} y_2''' \\ 8/3 - y_1''' \end{pmatrix} = \begin{pmatrix} 1.764871 \\ .972010 \end{pmatrix}$$