The particle Methods for linear System 7.3

$$A \times = L \qquad , \qquad X = A^{T}L \qquad A \times = L \qquad , \qquad X = A^{T}L \qquad A \times = L \qquad , \qquad X = A^{T}L \qquad A \times = L \qquad , \qquad X = A^{T}L \qquad A \times = L \qquad , \qquad X = L$$

$$\frac{X}{X_{1}} = \frac{1}{3}(X_{1}) \qquad \qquad X_{1} = \frac{1}{3}(X_{1}) \qquad X_{2} = \frac{1}{3}(X_{1})$$

$$\frac{X}{X_{1}} = \frac{1}{3}(X_{1}) \qquad \qquad X_{2} = \frac{1}{3}(X_{1})$$

$$\frac{X}{X_{2}} = \frac{1}{1}(X_{1} + X_{2} - 3X_{1} + 2S_{2})$$

$$\frac{X}{X_{3}} = \frac{1}{1}(-2X_{1} + X_{2} + 7X_{1} - 1)$$

$$\frac{X}{X_{4}} = \frac{1}{1}(-2X_{1} + X_{2} + 7X_{1} - 1)$$

$$\frac{X}{X_{5}} = \frac{1}{1}(-2X_{1} + X_{2} + 7X_{1} - 1)$$

$$\frac{X}{X_{1}} = \frac{1}{1}(-2X_{1} + X_{2} + X_{3} + 1)$$

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$$\frac{X}{X_{3}} = \frac{1}{1}(-2X_{1} + X_{2} + X_{3} + X_{3} + X_{4} + X_{$$

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$$X_1' = \frac{1}{2} (X_2' + 3X_3 + 10)$$
,

 $X_2 = \frac{1}{2} (X_1' + X_3' - 2)$ 
 $X_2 = \frac{1}{2} (X_1' + X_3' - 2)$ 
 $X_3' = -\frac{1}{13} (X_1' + 5X_2' - 1)$ 
 $X_4'' = (0, 0, 0)$ 
 $X_1'' = \frac{1}{2} (0 + 0 + 10) = \frac{10}{2} = 5$ 
 $X_2'' = \frac{1}{3} (5 + 0 - 2) = \frac{3}{5}$ 
 $X_3'' = -\frac{1}{3} (5 + 0 - 2) = \frac{3}{5}$ 
 $X_3'' = -\frac{1}{3} (5 + 5(\frac{3}{5}) - \frac{1}{3}) = \frac{1}{3}$ 
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 $X_2'' = \frac{1}{3} (5 + 5(\frac{3}{5}) - \frac{1}{3}) = \frac{1}{3}$ 
 $X_3'' = -\frac{1}{3} (5 + 5(\frac{3}{5}) - \frac{1}{3}) = \frac{1}{3}$ 
 $X_1'' = (0 - 1)^{\frac{1}{3}} (1 + \frac{1}{3}) = \frac{1}{3}$ 
 $X_2'' = \frac{1}{3} (1 + \frac{1}{3}) = \frac{1}{3}$ 
 $X_3'' = \frac{1}{3} (1 + \frac{1}{3})$