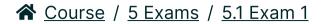
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sandipan_dey 🗸

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Exams due Aug 30, 2023 05:00 IST Completed

At time t=3.14, the solution to an IVP with $oldsymbol{M}=3$ states is,

$$\underline{u}\left(3.14\right) = \begin{bmatrix} 0.76\\5.14\\6.98 \end{bmatrix} \tag{5.2}$$

And the corresponding $\underline{f}\left(\underline{u},t\right)$ is,

$$\underline{f}\left(\underline{u}\left(3.14\right),\,3.14\right) = \begin{bmatrix} 4.7\\ -5.8\\ 9.1 \end{bmatrix} \tag{5.3}$$

Estimate \underline{u} (3.24).

Problem: Enter your estimates

3.0/3.0 points (graded)

What is your estimate for u_0 (3.24) Enter the first three significant digits (i.e. the answer will be of the form X.YZ):

1.23 ✓ Answer: 1.23

What is your estimate for u_1 (3.24) Enter the first three significant digits (i.e. the answer will be of the form X.YZ):

4.56 **✓** Answer: 4.56

What is your estimate for u_2 (3.24) Enter the first three significant digits (i.e. the answer will be of the form X.YZ):

7.89 **✓** Answer: 7.89

Submit

Answers are displayed within the problem

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