Relative Error L_2 Table

0.1 Viscid Burgers Equation

- With sine initial condition

Relative Error	Clean Data	1% Noise	2% Noise	5% Noise
Identifier	3.321×10^{-2}	9.697×10^{-2}	3.265×10^{-1}	3.371×10^{-1}
Solution	4.252×10^{-2}	1.002×10^{-1}	3.164×10^{-1}	4.470×10^{-1}

- With exponential initial condition

Relative Error	Clean Data	1% Noise	2% Noise	5% Noise
Identifier	1.847×10^{-3}	5.294×10^{-3}	5.912×10^{-3}	1.316×10^{-2}
Solution	4.399×10^{-3}	6.857×10^{-3}	8.626×10^{-3}	1.511×10^{-2}

0.2 Inviscid Burgers Equation

- With sine initial condition

Relative Error	Clean Data	1% Noise	2% Noise	5% Noise
Identifier	1.276×10^{-3}	5.796×10^{-3}	4.727×10^{-3}	7.983×10^{-3}
Solution	1.659×10^{-3}	7.246×10^{-3}	5.143×10^{-3}	9.507×10^{-3}

0.3 kdV Equation

- With sine initial condition

Relative Error	Clean Data	1% Noise	2% Noise	5% Noise
Identifier	3.807×10^{-2}	4.879×10^{-2}	1.159×10^{-1}	8.783×10^{-1}
Solution	5.317×10^{-2}	7.879×10^{-2}	2.032×10^{-1}	9.652×10^{-1}

- With cosine initial condition

Relative Error	Clean Data	1% Noise	2% Noise	5% Noise
Identifier	2.099×10^{-2}	7.861×10^{-2}	1.438×10^{-1}	8.802×10^{-1}
Solution	3.754×10^{-2}	1.347×10^{-1}	2.215×10^{-1}	1.559×10^{-1}