Relative Error L_2 Table

0.1 Inviscid Burgers Equation

- With sine initial condition

Relative Error	Clean Data	1% Noise	2% Noise	5% Noise
Identifier	1.744×10^{-3}	1.743×10^{-3}	4.727×10^{-3}	7.983×10^{-3}
Solution	1.924×10^{-3}	2.200×10^{-3}	5.143×10^{-3}	9.507×10^{-3}

- With cosine initial condition

Relative Error	Clean Data	1% Noise	2% Noise	5% Noise
Identifier	2.379×10^{-3}	4.062×10^{-3}	3.182×10^{-3}	2.112×10^{-3}
Solution	2.680×10^{-3}	4.519×10^{-3}	3.805×10^{-3}	2.200×10^{-3}

0.2 kdV Equation

- With sine initial condition

Relative Error	Clean Data	1% Noise	2% Noise	5% Noise
Identifier	2.105×10^{-2}	1.827×10^{-2}	2.056×10^{-1}	1.620×10^{-1}
Solution	2.008×10^{-2}	2.129×10^{-2}	2.832×10^{-1}	9.981×10^{-1}

- With cosine initial condition

Relative Error	Clean Data	1% Noise	2% Noise	5% Noise
Identifier	5.329×10^{-3}	5.277×10^{-2}	4.214×10^{-1}	4.086×10^{-1}
Solution	6.632×10^{-3}	5.988×10^{-1}	5.252×10^{-1}	4.894×10^{-1}

0.3 Viscid Burgers Equation

- With sine initial condition

Relative Error	Clean Data	1% Noise	2% Noise	5% Noise
Identifier	7.425×10^{-3}	9.697×10^{-2}	3.265×10^{-1}	3.371×10^{-1}
Solution	7.145×10^{-3}	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	1.418×10^{-3}	5.294×10^{-3}	5.912×10^{-3}	1.316×10^{-2}
Solution	2.514×10^{-3}	6.857×10^{-3}	8.626×10^{-3}	1.511×10^{-2}