

Correct PDE: $0.03183 u_{xx} - 1.0 uu_x$ (viscosity = $0.1/\pi$)

Model	Discovered equation and parameters
128x64 problem size	
PINN	$0.0318582 u_{xx} - 0.99928 uu_x$
STLSQ	$0.03222 u_{xx} - 1.00012 uu_x$
FROLS	$0.032 u_{xx} - 1.000 uu_x$
SR3	$0.032 u_{xx} - 1.000 uu_x$
SSR	$0.003 u + 0.032 u_{xx} - 1.002 uu_x$
256x128 problem size	
PINN	$0.0318372 u_{xx} - 0.99924 uu_x$
STLSQ	$0.03193 u_{xx} - 1.00002 uu_x$
FROLS	$0.032 u_{xx} - 1.000 uu_x$
SR3	$0.032 u_{xx} - 1.000 uu_x$
SSR	$0.001 u + 0.032 u_{xx} - 1.000 uu_x$
512x256 problem size	
PINN	$0.0318292 u_{xx} - 0.99936 uu_x$
STLSQ	$0.03186 u_{xx} - 1.00001 uu_x$
FROLS	$0.032 u_{xx} - 1.000 uu_x$
SR3	$0.032 u_{xx} - 1.000 uu_x$
SSR	$0.032 u_{xx} - 1.000 uu_x$