Identified PDEs

	None	Moving Avg	Cubic Spline	Savitzky Golay	Kernel Filter
1 term	NA	NA	NA	NA	NA
2 term	$-32.75326uu_x$ + $53.08874u^2u_x$	NA	NA	NA	$-2688.35593u^2u_x$ + $-1808.77704u^2u_{xxx}$
3 term	NA	NA	NA	$0.32897u^2u_{xx}$ + $0.00598u^2u_{xxx}$ + $0.00005u^2u_{xxxx}$	$-2076.86028u^2u_x$ + $427.19291uu_{xxx}$ + $-2057.11771u^2u_{xxx}$
4 term	$-39.06026uu_x$ + $55.81578u^2u_x$ + $-0.00463uu_{xxx}$ + $0.00658u^2u_{xxx}$	NA	NA	NA	$-1819.53847u^2u_x$ + $446.98663uu_{xxx}$ + $-2101.89297u^2u_{xxx}$ + $-347.03175u^2u_{xxxx}$
5 term	NA	NA	NA	$-8.27746uu_x$ + $-0.09980uu_{xx}$ + $0.17699u^2u_{xx}$ + $-0.00003uu_{xxxx}$ + $0.00004u^2u_{xxxx}$	$-1491.62501u^2u_x$ + $-317.89301uu_{xx}$ + $1219.56973u^2u_{xx}$ + $281.89888uu_{xxx}$ + $-994.66719u^2u_{xxx}$
6 term	NA	NA	NA	NA	$-59.38482u_{xxx}$ + $-1850.48521u^2u_x$ + $-318.14983u^2u_{xx}$ + $839.51211uu_{xxx}$ + $-2782.93306u^2u_{xxx}$ + $-507.84070u^2u_{xxxx}$