#	Equation Name	Equation	Noise Level (Standard Deviation of Normal Distribution)	Solution Found?	R^2
1	TME = Ug + Us + K	x0 + x1 + x2	0	1.0*(x0) + 1.0*(x1) + 1.0*(x2) + -0.0	1
			0.2	0.9994*(x0) + 0.9996*(x1) + 0.9991*(x2) + -0.0008	0.9984290554
			0.4	0.9951*(x0) + 0.9927*(x1) + 0.9938*(x2) + 0.0035	0.9934167759
			0.6	0.6082	0.6848276792
2	$KE = 1/2 * m * v^2$	0.5 * x0 * x1**2	0	0.5*((x0)*(x1)*(x1)) + -0.0	1
			0.2	0.4969*((x0)*(x1)*(x1)) + 0.3133	0.996113591
			0.4	17.0459	0.04548996413
			0.6	8.0422	0.4639633553
3	Ug = m*g*h	x0 * x1 * x2	0	1.0*((x0)*(x1)*(x2)) + -0.0	1
	$xf = 1/2at2^2 + vit + xi$		0.2	0.9956*((x0)*(x1)*(x2)) + 0.2788	0.9963503747
			0.4	7.2795	0.004628772659
			0.6	$\begin{array}{l} 1.4682^*((((x0))-((x1)))-(((x2))-((x0)^*(x0)))) + 3.6704^*(\sin(((x0)^*(x0)^*(x1)^*(x1))-((x0)^*(x0)^*(x1)^*(x2)))) + 0.8092^*(\sin(((x0)^*(x0)^*(x2)^*(x2))-((x0)^*(x1)^*(x1)^*(x1)))) + -2.3759\\ *(\sin(((x0)^*(x1)^*(x1)^*(x2))+((x0)^*(x1)^*(x2)^*(x2)))) + -1.1642^*(\sin(((x0)^*(x2)^*(x2)^*(x2)^*(x2))-((x1)^*(x1)^*(x1)^*(x1)))) + 2.2555^*(\sin(((x1)^*(x1)^*(x1)^*(x1)^*(x2))-((x1)^*(x1)^*(x2)^*(x2)))) + 2.1653^*(\sin((((x0)^*(x1))-(((x1)^*(x1))))) + 1.892^*(\sin((((x2)^*(x2))^*((x0)^*(x0)))))))))))))) + (((x1)^*(x1))) + 4.1892^*(\sin((((x2)^*(x2))-((x0)^*(x0)))))))))))))))))) + 5.1442^*(\sin((((x0)^*(x0)^*(x1))-((x0)^*(x2))))))))))))))))))))))))))))))))))))$	
4		1/2 *x0*x1**2 + x2*x1 + x3	0	$\begin{array}{l} 0.4963^*((x0)^*(x1)^*(x1)) + 0.3203^*(\sin((x0)^*(x0))) + 0.4024^*(\sin((x0)^*((x2)^*(x3)))) + \\ -0.5576^*(\sin((x1)^*(x1))) + -0.9697^*(\sin(((x2)^*(x3))^*((x2)^*(x3)))) + 0.4194^*(\sin((x0)^*(x0)^*(x0))) + 0.3667^*(\sin((x0)^*(x1)^*(x1))) + -0.6957^*(\sin((x0)^*((x2)^*(x3))^*((x2)^*(x3)))) + 0.3911^*(\sin(((x2)^*(x3))^*((x2)^*(x3))^*((x2)^*(x3)))) + 0.4913^*(\sin((x0)^*(x0)^*(x0)^*(x0)^*(x0)^*(x2)^*(x3)))) + 0.4402^*(\sin((x0)^*(x1)^*(x1)^*(x1)^*(x1))) + 0.3592^*(\sin((x0)^*(x1)^*((x2)^*(x3)))^*((x2)^*(x3)))) + 0.323^*(\sin((x1)^*($	0.9363950561
			0.2	$\begin{array}{l} 0.4954^*((x0)^*(x1)^*(x1)) + 0.4235^*(\sin((x0))) + -1.1106^*(\sin((x1))) + -0.3196^*(\sin((x0)^*(x0))) + 0.6809^*(\sin((x1)^*(x1))) + 0.4118^*(\sin((x1)^*((x2)^*(x3)))) + -0.5603^*(\sin(((x2)^*(x3))^*((x2)^*(x3)))) + -0.317^*(\sin((x0)^*(x0)^*(x0)) + -0.3412^*(\sin((x0)^*(x0)^*(x0))) + 0.3781^*(\sin((x0)^*(x0)^*((x2)^*(x3)))) + 0.807^*(\sin((x0)^*(x1)^*((x2)^*(x3)))) + 0.3355^*(\sin(((x2)^*(x3))^*((x2)^*(x3)))) + -0.5835^*(\sin(((x2)^*(x3))^*((x2)^*(x3)))) + 0.367^*(\sin((x0)^*(x0)^*(x1)^*(x1))) + 0.7666^*(\sin((x0)^*(x0)^*(x1)^*(x1))) + 0.5991^*(\sin((x0)^*(x1)^*(x1)^*((x2)^*(x3)))) + -0.8119^*(\sin((x0)^*(x1)^*(x1)^*(x1))) + 0.6482^*(\sin((x0)^*(x1)^*(x1)^*((x2)^*(x3)))) + 1.118^*(\sin((x0)^*(x1)^*(x2)^*(x3)))) + 0.6654^*(\sin((x0)^*((x2)^*(x3))^*((x2)^*(x3)))) + 1.0525^*(\sin((x1)^*(x1)^*(x1)^*(x1))) + -0.377^*(\sin((x1)^*(x1)^*(x1)^*(x2)^*(x3)))) + -1.8475^* \end{array}$	0.9330469001

		$\begin{array}{l} 0.4851^*((x0)) + -0.3594^*((x1)) + 0.4886^*((x0)^*(x1)^*(x1)) + 0.5143^*(\sin((x0))) + -1.045^*\\ (\sin((x1))) + -0.5186^*(\sin((x0)^*((x2)^*(x3)))) + 0.4439^*(\sin((x1)^*((x2)^*(x3)))) + -1.144^*\\ (\sin(((x2)^*(x3))^*((x2)^*(x3)))) + -0.7158^*(\sin((x0)^*(x0)^*(x0))) + -1.0791^*(\sin((x0)^*(x0)^*(x1))) + 0.4099^*(\sin((x0)^*((x2)^*(x3)))) + 0.4514^*(\sin((x0)^*(x1)^*(x1))) + 1.216^*(\sin((x0)^*(x0)^*(x1)^*((x2)^*(x3)))) + 1.0769^*(\sin((x0)^*(x1)^*((x2)^*(x3)))) + 0.4514^*(\sin((x0)^*(x1)^*((x2)^*(x3)))) + 0.912^*(\sin((x0)^*((x2)^*(x3)))^*((x2)^*(x3))) + (0.5442^*(\sin((x1)^*(x1)$	0.9233915046
		$0.6 \\ 1.4984*((x0)) + 0.4704*((x0)*(x1)*(x1)) + 1.0426*(sin((x0))) + -0.7658*(sin((x0)*(x1))) \\ + 0.5164*(sin((x1)*(x1))) + 0.7919*(sin((x1)*((x2)*(x3)))) + -0.6322*(sin(((x2)*(x3)))* \\ ((x2)*(x3)))) + 0.6028*(sin((x0)*(x0)*(x0))) + -0.633*(sin((x0)*(x0)*(x1))) + -0.9841* \\ (sin((x0)*(x0)*((x2)*(x3)))) + 0.8905*(sin((x0)*(x1)*((x2)*(x3)))) + 0.3196*(sin((x0)*(x1)*(x1)*(x1))) + 1.5416*(sin((x1)*((x2)*(x3))) \\ ((x2)*(x3))) + 0.8659*(sin(((x2)*(x3)))*((x2)*(x3))) + 1.0733*(sin((x0)*(x1)*(x2)*(x3))) + 0.8659*(sin((x0)*(x0)*(x0)*(x0)*(x2)*(x3)))) + -0.471*(sin((x0)*(x0)*(x1)*(x2)*(x3))) + 0.575*(sin((x0)*(x1)*(x1)*(x1)*(x2)*(x3))) + 0.8705*(sin((x0)*(x1)*(x1)*(x1)*(x1)*(x1)*(x1)*(x1)*(x1$	0.9069318814
5 vf = at + vi	x0*x1 + x2	$0 \ 1.0*((x2)+((x0)*(x1))) + 0.0$	1
		0.2 1.002*((x2)) + 1.0054*((x0)*(x1)) + 0.1207	0.9975548864
		$0.4 \ 0.9951*((x2)) + 1.0209*((x0)*(x1)) + 0.0897$	0.9904110036
		0.6 $-0.3302*(\sin((((x0)*(x0)*(x1)*(x2))-((x0)*(x0)*(x2)*(x2)))-(((x1)*(x1)*(x1))+((x1)*(x1)*(x1)*(x1))))) + -0.2951$	0.8463173251
6 Power = F * d / t	x0 * (x1 - x2) / (x3 + 1e-5)	$\begin{array}{l} 0 \\ -2.1273^*((x0)) + -4.7548^*((x1)) + 2.1568^*((x2)) + -0.513^*((x3)) + -2.1585^*((x0)^*(x0)) + \\ 2.0583^*((x0)^*(x1)) + 0.4582^*((x0)^*(x2)) + 0.8826^*((x0)^*(x3)) + -1.9982^*((x1)^*(x1)) + \\ -0.5394^*((x1)^*(x2)) + -7.6949^*((x2)^*(x2)) + -0.4278^*((x2)^*(x3)) + -0.7595^*((x3)^*(x3)) + \\ +3.2542^*(1/((x0))) + -0.7802^*(1/((x1))) + -5.8253^*(1/((x2))) + 11.433^*(1/((x3))) + \\ 0.4802^*(1/((x0)^*(x1))) + 6.9372^*(1/((x0)^*(x2))) + 11.7501^*(1/((x0)^*(x3))) + 9.5657^*(1/((x1)^*(x2))) + 8.5358^*(1/((x1)^*(x3))) + 29.334^*(1/((x2)^*(x3))) + -7.1635^*(1/((x0)^*(x1)^*(x2))) + \\ (x2))) + 0.7229^*(1/((x0)^*(x1)^*(x3))) + 1.4577^*(1/((x0)^*(x2)^*(x3))) + -0.6082^*(1/((x0)^*(x3)^*(x3))) + \\ (x3)^*(x3))) + 2.0355^*(1/((x1)^*(x2)^*(x3))) + 0.5881^*(1/((x2)^*(x3)^*(x3))) + 159.8425 \end{array}$	0.9945176346
		$0.2 \begin{bmatrix} 6.0659^*((x0)) + -2.5416^*((x3)) + -1.6272^*((x0)^*(x0)) + 0.8051^*((x0)^*(x2)) + -0.3494^* \\ ((x0)^*(x3)) + -1.9795^*((x1)^*(x1)) + 0.6371^*((x1)^*(x2)) + -1.536^*((x2)^*(x2)) + -1.2404^* \\ ((x3)^*(x3)) + -0.6161^*((x0)^*(x0)) + 0.3658^*((x2)^*(x3)) + 4.7608^*(1/((x0))) + -4.311^*(1/((x1))) + 3.5131^*(1/((x2))) + 22.6095^*(1/((x3))) + 4.7889^*(1/((x0)^*(x1))) + -3.8952^*(1/((x0)^*(x2))) + -6.3945^*(1/((x0)^*(x3))) + -1.4939^*(1/((x1)^*(x2))) + -13.857^* \\ (1/(x1)^*(x3))) + 13.538^*(1/((x2)^*(x3))) + -0.4205^*(1/((x0)^*(x0)^*(x1))) + -4.7254^*(1/((x0)^*(x1)^*(x2))) + 21.5761^*(1/((x0)^*(x1)^*(x3))) + -0.483^*(1/((x0)^*(x2)^*(x2))) + -4.0101^*(1/((x0)^*(x2)^*(x3))) + 0.5917^*(1/((x1)^*(x1)^*(x2))) + -0.5424^*(1/((x1)^*(x1)^*(x3))) + 11.7005^*(1/((x1)^*(x2)^*(x3))) + -0.8666^*(1/((x0)^*(x0)^*(x1)^*(x2))) + 0.7791^*(1/((x0)^*(x0)^*(x1)^*(x1)^*(x1))) + 0.8101^*(1/((x0)^*(x1)^*($	-0.3846153994

	9189*((x0)) + 23.142*((x1)) + -23.4275*((x2)) + -19.2475*((x3)) + 2.1303*((x0)*(x1)) -0.4856*((x0)*(x2)) + 0.4709*((x1)*(x1)) + -1.8858*((x1)*(x2)) + 0.7669*((x2)*(x2))	-0.405474067
	$-0.5185*((x2)*(x3)) + 4.3802*(\sin((x0))) + -2.1952*(\sin((x1))) + 1.2867*(\sin((x2))) +$	
	$((x_1)^2 + (x_2)^2 + (x_3)^2 + (x_$	
	$(3.3917)(\sin((x3))) + 2.39(\sin((x0))(x3))) + 3.8867*(\sin((x1))(x1))) + 9.419*(\sin((x1))(x2))) + 5.329*(\sin((x0))(x3))) + 13.8867*(\sin((x1))(x1))) + 9.419*(\sin((x1))(x2))) + 13.8867*(\sin((x1))(x1))) + 13.8867*(\sin((x1))(x1)) + 13.8867*(\sin((x1))(x1)(x1)) + 13.8867*(\sin((x1))(x1)(x1)(x1)(x1)(x1)(x1)(x1)(x1)(x$	
	$\frac{(x_1)^2 + 3.329^2 (\sin((x_1)^2 (x_2)))^{-1} + 3.8600^2 (\sin((x_1)^2 (x_2))^{-1} + 3.8600^2 (\sin((x_1)^2 (x_2)))^{-1} + 3.8600^2 (\sin((x_1)^2 (x_2))^{-1} + 3.8600^2 (\sin((x_1)^2 (x_2)^2 (x_2)^{-1} + 3.8600^2 (\sin((x_1)^2 (x_2)^2 (x_2)^2 (x_2)^{-1} + 3.8600^2 (\cos((x_1)^2 (x_2)^2 (x_2)^2 (x_2)^{-1} + 3.8600^2 (\cos((x_1)^2 (x_2)^2 (x_2)^2 (x_2)^2 (\cos((x_1)^2 (x_2)^2 (x_2)^2 (x_2)^2 (\cos((x_1)^2 (x_2)^2 (x_2)^2$	
	$\sin((x_3)^*(x_3))) + -1.7827^*(\sin((x_3)^*(x_3))) + -6.9634^*(\sin((x_3)^*(x_3))) + 0.4604$	
	$3694*(\sin((x0)*(x0)*(x2))) + 5.7544*(\sin((x0)*(x0)*(x3))) + 1.2539*(\sin((x0)*(x1)*(x1)*(x1))) + 0.8695*(\sin((x0)*(x1)*(x2))) + 6.764*(\sin((x0)*(x1)*(x2))) + 2.0440*(\sin((x0)*(x1)*(x2))) + 2.0440*(\sin((x0)*(x1)*(x2)))$	
	(31)) + 0.8605*(sin((x0)*(x1)*(x2))) + 6.7646*(sin((x0)*(x1)*(x3))) + -3.0449*(sin((x0)*(x1)*(x2))) + 1.5124*((31) *((31)	
	$(x2)*(x2)$) + -1.5134* $(\sin((x0)*(x2)*(x3))$) + -1.0403* $(\sin((x0)*(x3)*(x3))$) + 8.5088*	
	$\sin((x1)^*(x1)^*(x1)) + -4.6944^*(\sin((x1)^*(x1)^*(x2))) + 12.8097^*(\sin((x1)^*(x1)^*(x3))) +$	
	$9809*(\sin((x1)*(x2)*(x2))) + -9.1956*(\sin((x1)*(x2)*(x3))) + 1.2471*(\sin((x1)*(x3)*(x3))) + 1.2471*(\sin((x1)*(x3)*(x3)*(x3))) + 1.2471*(\sin((x1)*(x3)*(x3))) + 1.2471*(\sin((x1)*(x3)*(x3)*(x3))) + 1.2471*(\sin((x1)*(x3)*(x3)*(x3))) + 1.2471*(\sin((x1)*(x3)*(x3)*(x3))) + 1.2471*(\sin((x1)*(x3)*(x3)*(x3)*(x3))) + 1.2471*(\sin((x1)*(x3)*(x3)*(x3)*(x3)*(x3)*(x3)*(x3)*(x3$	
	(3))) + -8.2118*(sin((x2)*(x2)*(x2))) + 11.0873*(sin((x2)*(x2)*(x3))) + -3.4913*(sin((x2)*(x2)*(x3))) + (3.274*(x1)*(x2)*(x3)*(x3)*(x3)*(x3)*(x3)*(x3)*(x3)*(x3	
	$(x_2)^*(x_3)^*(x_3) + -0.3274^*(\sin((x_3)^*(x_3)^*(x_3))) + 9.9995^*(\sin((x_0)^*(x_0)^*(x_0)^*(x_0))) + 0.0000000000000000000000000000000$	
	$3.4682*(\sin((x0)*(x0)*(x0)*(x1))) + 4.0763*(\sin((x0)*(x0)*(x0)*(x2))) + -8.6002*(\sin((x0)*(x0)*(x2))) + -8.6002*(\sin((x0)*(x0)*(x2))) + -8.6002*(\sin((x0)*(x0)*(x2))) + -8.6002*(\sin((x0)*(x2))) + -8.6002*(\sin((x0)*(x2)) + -8.6002*(\sin((x0)*(x2))) + -8.6002*(\sin((x0)*(x2)) + -8.6002*(\sin((x0)*(x2))) + -8.6002*(\sin((x0)*(x2)) + -8.6002*(\sin((x0)*(x2)) + -8.6002*(\sin((x0)*(x2))) + -8.6002*(\sin((x0)*(x2)) + -8.6002*(\sin((x0)*(x2))) + -8.6002*(\sin((x0)*(x2)) + -8.6002*(\sin((x0)*(x2))) + -8.6002*(\sin((x0)*(x2)) + -8.6002*(x2) + -8.6002*(x2) + -8.6002*(x2) + -8.6$	
	$x(0)*(x(0)*(x(0)*(x(0))) + -9.8431*(\sin(x(0)*(x(0)*(x(0))*(x(1))) + -9.2166*(\sin(x(0)*(x(0))*(x(0))))$	
	$(x_1)^*(x_2)) + -4.0735^*(\sin((x_0)^*(x_0)^*(x_1)^*(x_3))) + 3.6924^*(\sin((x_0)^*(x_0)^*(x_2)^*(x_2))) + 3.6924^*(\sin((x_0)^*(x_0)^*(x_0)^*(x_0)^*(x_0)^*(x_0)))$	
	$4423*(\sin((x0)*(x0)*(x2)*(x3))) + 7.0604*(\sin((x0)*(x1)*(x1)*(x1))) + -2.6943*(\sin((x0)*(x1)*(x1))) + -2.6943*(\sin((x0)*(x1)*(x1)*(x1))) + -2.6943*(\sin((x0)*(x1)*(x1)*(x1)*(x1)*(x1)*(x1)*(x1)*(x1$	
	$x(0)*(x_1)*(x_1)*(x_2)) + 12.6404*(\sin((x_0)*(x_1)*(x_1)*(x_3))) + -3.694*(\sin((x_0)*(x_1)*(x_1)*(x_2))) + -3.694*(\sin((x_0)*(x_1)*(x_2))) + -3.69*(\sin((x_0)*(x_1)*(x_2))) + -3.69*(\sin((x_0)*(x_1)*(x_2))) + -3.69*(\sin((x_0)*(x_1)*(x_2))) + -3.69*(\sin((x_0)*(x_1)*(x_2))) + -3.69*(\sin((x_0)*(x_1)*(x_2)*(x_2))) + -3.69*(\sin((x_0)*(x_1)*(x_2)*(x_2))) + -3.69*(\cos((x_0)*(x_1)*(x_2)*$	
	$(x^2)^*(x^2) + -1.6134^*(\sin((x^0)^*(x^1)^*(x^2)^*(x^3))) + -6.9594^*(\sin((x^0)^*(x^1)^*(x^3)^*(x^3))) + -6.9594^*(\sin((x^0)^*(x^1)^*(x^2)^*(x^3))) + -6.9594^*(\sin((x^0)^*(x^1)^*(x^2)^*(x^3))) + -6.9594^*(\sin((x^0)^*(x^1)^*(x^2)^*(x^3))) + -6.9594^*(\sin((x^0)^*(x^1)^*(x^3)^*(x^3))) + -6.9596^*(x^0)^2$	
	$9055*(\sin((x0)*(x2)*(x2)*(x2))) + -4.7899*(\sin((x0)*(x2)*(x2)*(x3))) + 5.616*(\sin((x0)*(x2)*(x2)*(x3))) + -4.7899*(\sin((x0)*(x2)*(x3))) + -4.7899*(\sin((x0)*(x2)*(x3))) + -4.7899*(\sin((x0)*(x2)*(x3))) + -4.7899*(\sin((x0)*(x2)*(x3))) + -4.7899*(\sin((x0)*(x2)*(x3))) + -4.7899*(\sin((x0)*(x3)*(x3)*(x3))) + -4.7899*(\sin((x0)*(x3)*(x3)*(x3))) + -4.7899*(\sin((x0)*(x3)*(x3)*(x3))) + -4.7899*(\sin((x0)*(x3)*(x3)*(x3))) + -4.7899*(\sin((x0)*(x3)*(x3)*(x3))) + -4.7899*(\sin((x0)*(x3)*(x3)*(x3))) + -4.7899*(\sin((x0)*(x3)*(x3)*(x3)*(x3))) + -4.7899*(\sin((x0)*(x3)*(x3)*(x3)*(x3)*(x3)*(x3)*(x3)*(x3$	
	$x0$ * $(x2)$ * $(x3)$ * $(x3)$)) + 0.5975* $(\sin((x0)$ * $(x3)$ * $(x3)$ * $(x3)$)) + 4.1797* $(\sin((x1)$ * $(x1)$ *	
	$(x_1)^*(x_1)$) + -3.2141*(sin((x1)*(x1)*(x1)*(x2))) + 8.5617*(sin((x1)*(x1)*(x2)*(x2))) +	
	$4.9292*(\sin((x1)*(x1)*(x2)*(x3))) + -1.4964*(\sin((x1)*(x2)*(x2)*(x2))) + -1.5109*(\sin((x1)*(x2)*(x3)))$	
((:	$(x_1)^*(x_2)^*(x_3)^*(x_3)) + 14.8307^*(\sin((x_1)^*(x_2)^*(x_3)^*(x_3))) + 4.7722^*(\sin((x_1)^*(x_3)^*(x_3)^*(x_3))) + 14.8307^*(\sin((x_1)^*(x_2)^*(x_3)^*(x_3))) + 4.7722^*(\sin((x_1)^*(x_3)^*(x_3)^*(x_3)))$	
(x	$(x_3)^*(x_3))) + -2.6351^*(\sin((x_2)^*(x_2)^*(x_2)^*(x_2))) + 4.7455^*(\sin((x_2)^*(x_2)^*(x_2)^*(x_3))) +$	
-3	$3.7712*(\sin((x2)*(x3)*(x3)*(x3))) + -5.6059*(\sin((x2)*(x3)*(x3)*(x3))) + -2.1424*(1/2)$	
((:	(x1)) + 2.7964* $(1/((x2)))$ + 1.0224* $(1/((x3)))$ + 0.4084* $(1/((x0)*(x2)))$ + -0.5402* $(1/((x0)*(x2)))$	
(()	$(x_1)^*(x_3)) + -0.868^*(1/((x_2)^*(x_3))) + -0.3681^*(1/((x_0)^*(x_1)^*(x_1))) + 1.0249^*(1/((x_0)^*(x_1)^*(x_2))) + 1.0249^*(1/((x_0)^*(x_1)^*(x_2)^*(x_2)))$	
(x	$(x_1)^*(x_3)) + -0.8375^*(1/((x_0)^*(x_2)^*(x_3))) + -1.7068^*(1/((x_1)^*(x_2)^*(x_3))) + -0.3703^*(1/(x_1)^*(x_2)^*(x_3)))$	
((:	(x0)*(x0)*(x1)*(x2)) + 0.3956*(1/((x0)*(x1)*(x2)*(x3))) + 84.2704	

		0.6	$\begin{array}{l} 7.363^*((x0)) + -20.6811^*((x1)) + 50.7791^*((x2)) + -20.8925^*((x3)) + 3.3029^*((x0))^*(x0)) \\ + -1.8154^*((x0)^*(x1)) + 0.9121^*((x0)^*(x2)) + -0.4573^*((x1)^*(x1))^*(x1)) + 1.1012^*((x2)^*(x2)) \\ + 0.6167^*((x2)^*(x3)) + -0.5306^*((x0)^*(x1)^*(x2)) + 0.3501^*((x1)^*(x1))^*(x3)) + -0.4195^* \\ + (x2)^*(x2)^*(x2)) + 0.6092^*((x3)^*(x3)^*(x3)) + -20.83^*(\sin((x0))) + -13.4543^*(\sin((x1))) + -1.099^*(\sin((x2))) + -2.4927^*(\sin((x))) + -20.1602^*(\sin((x0))^*(x0))) + 13.9198^*(\sin((x)) + -10.999^*(\sin((x2))) + -2.4927^*(\sin((x))) + -13.8264^*(\sin((x0))^*(x3))) + 20.6273^*(\sin((x1))^*(x1)) + -14.2287^*(\sin((x1)^*(x2))) + 5.8743^*(\sin((x1)^*(x3))) + 14.1995^*(\sin((x2)^*(x2))) + -18.1014^*(\sin((x2)^*(x3))) + 2.8673^*(\sin((x1)^*(x3))) + 2.0612^*(\sin((x0))^*(x0))^*(x0)) + -2.0716^*(\sin((x0))^*(x1)) + (2.1435^*(\sin((x0))^*(x0))^*(x0))^*(x0))^*(x0)) + 2.0716^*(\sin((x0))^*(x1)) + 2.3878^*(\sin((x0))^*(x1))^*(x1)) + 9.426^*(\sin((x0))^*(x1))^*(x1)) + 9.5296^*(\sin((x0))^*(x1))^*(x2)) + 23.8878^*(\sin((x0))^*(x1))^*(x3))) + 9.945^*(\sin((x0))^*(x2))^*(x2))) + 6.4179^*(\sin((x0))^*(x2))^*(x3)) + 20.5142^*(\sin((x1))^*(x1))^*(x3)) + 5.0319^*(\sin((x1))^*(x1))^*(x1)) + 5.7411^*(\sin((x1))^*(x1))^*(x1)) + 3.019^*(\sin((x1))^*(x1))^*(x1)) + 5.7411^*(\sin((x1))^*(x1))^*(x1)) + 3.019^*(\sin((x1))^*(x2))^*(x3))) + 1.74381^*(\sin((x1))^*(x2))^*(x3)) + 12.1133^*(\sin((x1))^*(x1))^*(x1)) + 21.633^*(\sin((x1))^*(x1))^*(x1)) + 21.633^*(\sin((x1))^*(x1))^*(x1)) + 21.633^*(\sin((x1))^*(x1))^*(x1)) + 21.633^*(\sin((x1))^*(x1))^*(x1)) + 21.633^*(\sin((x1))^*(x1))) + 21.6345^*(\sin((x1))^*(x1))) + 21.6345^*(\sin($	-0.6745180795
7 Ue = $1/2$ k (xf - xi) 2	1/2 * (x0) * (x1 - x2)**2	0	0.5*((x0)*(x1)*(x1)) + -1.0*((x0)*(x1)*(x2)) + 0.5*((x0)*(x2)*(x2)) + -0.0	1
		0.2	0.5098*((x0)) + 0.4937*((x0)*(x1)*(x1)) + -0.9953*((x0)*(x1)*(x2)) + 0.4959*((x0)*(x2)*(x2)) + -0.1606	0.9968081682
		0.4	$0.347*((((x0)*(x1)*(x1))-((x0)*(x1)*(x2)))+(((x0)*(x2)*(x2))-((x1)*(x1)*(x1)))-(\sin ((((x0)*(x1)*(x1))-((x0)*(x1)*(x1)))))+0.5444*\\ ((((x1)*(x1)*(x2)*(x2))-((x2)*(x2)*(x2))-((((x1)*(x1)*(x1))))))+0.5444*\\ ((sin((((x1)*(x2)*(x2)*(x2))-(((x2)*(x2)*(x2)))-((((x0))-(((x1))*((x1))-(((x2))-((x0)*((x1))))))))))))))))))))))))))))))))))$	0.6442870639
		0.6	-0.3231*((1/((((x0)*(x1))-((x0)*(x2)))-(((x1)*(x1))-((x1)*(x2))))-((((x2)*(x2))-((x0)*(x0)*(x1)))+(((x0)*(x1)*(x1))-((x0)*(x1)*(x1)))+(((x0)*(x2)*(x2))-((x1)*(x1)*(x1))))+(((x0)*(x2)*(x2)-((x1)*(x1)*(x1)))))+(((x0)*(x1)*(x1))-((x0)*(x1)*(x1)))+(((x0)*(x1)*(x1))))+((x0)*(x1)*(x1)*(x1)))))+((x1)*(x1)*(x1)*(x1))))))+(x1)*(x1)*(x1)*(x1)*(x1))))))+(x1)*(x1)*(x1)*(x1)*(x1)*(x1))))))+(x1)*(x1)*(x1)*(x1)*(x1)*(x1))))))+(x1)*(x1)*(x1)*(x1)*(x1)*(x1))))))+(x1)*(x1)*(x1)*(x1)*(x1)*(x1))))))+(x1)*(x1)*(x1)*(x1)*(x1)*(x1))))))+(x1)*(x1)*(x1)*(x1)*(x1)*(x1))))))+(x1)*(x1)*(x1)*(x1)*(x1)))))+(x1)*(x1)*(x1)*(x1)*(x1))))+(x1)*(x1)*(x1)*(x1)*(x1)*(x1)))))+(x1)*(x1)*(x1)*(x1)*(x1)*(x1)*(x1)*(x1)))))+(x1)*(x1)*(x1)*(x1)*(x1)*(x1)*(x1)*(x1)*	0.6331920199
8 I = mr^2	x0 * x1**2	0	1.0*((x0)*(x1)*(x1)) + 0.0	1

0.996363959	0.9952*((x0)*(x1)*(x1)) + -0.3633	0.2			
0.6278569897	$-0.3194*((((x1)*(x1))-((x0)*(x0)*(x0)))+(((x0)*(x1))-((x0)*(x1))*(x1)))) + 3.9843*\\ (\sin(((x1)*(x1)*(x1))-((x0)*(x0)*(x0)*(x0)))) + -1.1692*(\sin(((x0)*(x0)*(x0)*(x1))-((x0)*(x1))))\\ *(x0)*(x1)*(x1)))) + 0.8009*(\sin(((x0)*(x1)*(x1))*(x1))-(((x0))-((x1))))) + -1.7294*(\sin(((x1)*(x1)*(x1))-(((x0)*(x0))-((x0)*(x1)))))) + -0.5483*(\sin((((x1)*(x1))-((x0)*(x0)))))\\ *(x0))+(((x0)*(x0)*(x1))-((x0)*(x1))))) + 9.3114$	0.4			
0.001832536875	$2.2024*(\sin(((x1)*(x1)*(x1))-(((x0))-((x1))))) + 2.9843*(\sin((((x0)*(x0)*(x1)*(x1))+((x1)*(x1)*(x1))-(((x0)*(x1)*(x1))-(((x0)*(x0))-((x0)*(x1)))))) + 7.8152*(\sin((((x1)*(x1))-((x0)*(x0))*((((x0)*(x0))*(x1))*(((x0)*(x1))*((x1))*((x0)*(x1))))) + ((x0)*(x0)*(x0)*(x1)))))) + ((x0)*(x0)*(x0)*(x1)))))) + 2.6825$	0.6			
0.3586249872	$ 20.9677*(\sin(((x3)*(x3)*(x3)*(x3))-(((x0))-((x1))))) + 25.0838*(\sin((((x2)*(x2)*(x2))-((x2)*(x2)*(x3)))+(((x2)*(x3))*(x3))-(((x3)*(x3)*(x3))))) + 65.082*(\sin((((x0)*(x0)*(x0)*(x0)*(x0)*(x0)*(x0)*(x$	0	0.5 * x0 * x1**2 * x2 * x3	9 Fdrag = 1/2 * C * p * A * v^2	9

0.2	$33.104*(\sin(((x0)*(x0)*(x0)*(x0))-((x0)*(x0)*(x0))+((x1))-(((x0)*(x2)*(x3)*(x3))-((x0)*(x3)*(x3))))) + 23.3634*(\sin((((x0)*(x0)*(x1)*(x1))-(((x0)*(x0)*(x1)*(x1))+(((x1)*(x1)*(x1)))))) + 38.5579*(\sin((((x1)*(x1)*(x1)*(x1))-((x1)*(x1)*(x1))))) + 38.5579*(\sin((((x1)*(x1)*(x1)*(x1))))) + 38.5579*(\sin((((x1)*(x1)*(x1)*(x1))))) + 38.5579*(\sin((((x1)*(x1)*(x1)*(x1)))))) + 38.5579*(\sin((((x1)*(x1)*(x1)*(x1))))) + 38.5579*(\sin((((x1)*(x1)*(x1)*(x1)))))) + 38.5579*(\sin((((x1)*(x1)*(x1)*(x1))))) + 38.5579*(\sin((((x1)*(x1)*(x1))))) + 38.945*(\sin((((x1)*(x1)*(x1))))) + 38.9457*(\sin((((x0)*(x0)*(x1)))))) + 38.9457*(\sin(((((x0)*(x0)*(x1))))) + 38.9457*(\sin((((x0)*(x1)*(x1))))) + 38.9457*(\sin((((x0)*(x1)*(x1))))) + 38.9457*(\sin((((x0)*(x1)*(x1))))) + 38.9457*(\sin((((x0)*(x1)*(x1))))) + 38.9457*(\sin((((x0)*(x1)*(x1)))) + 38.9457*(\sin((((x0)*(x1)*(x1))))) + 38.9457*(\sin(((((x0)*(x1)*(x1))))) + 38.9457*(\sin((((x0)*(x1)*(x1))))) + 38.9457*(\sin((((x0)*(x1)*(x1)))) + 38.9457*(\sin((((x0)*(x1)*(x1))))) + 38.9457*(\sin((((x0)*(x1)*(x1)))) + 38.9457*(\sin((((x0)*(x1)*(x1)))) + 38.9457*(\sin((((x0)*(x1)*(x1)))) + 38.9457*(\sin((((x0)*(x1)*(x1)))) + 38.9457*(\sin((((x0)*(x1)*(x1)))) + 38.9457*(\sin((((x0)*(x1)*(x1)))) + 38.9457*(\sin(((x1)*(x1)*(x1))) + 38.9457*(\sin((((x$	0.01052684635
0.4	$-20.6371*(\sin((((x0)*(x0)*(x0))*(x0))+((x0)*(x0)*(x0))*(x1))+(((x1)*(x2)*(x2)*(x2))-((x1)*(x2)*(x2)*(x3)))) + -116.6375*(\sin((((x0)*(x0)*(x0))*(x2))+((x0)*(x0)*(x0)*(x0))*(x3))) + -116.6375*(\sin((((x0)*(x0)*(x0))*(x2))+((x0)*(x0)*(x1)*(x3))-((x0)*(x1)*(x2))) + -37.4188*(\sin((((x0)*(x1)*(x3))-((x0)*(x1)*(x3))-((x0)*(x1)*(x3))+((x2)*(x2$	0.005232629372

		$0.6 \\ -91.7834*((\sin(((x1)*(x1)*(x1)*(x3))-((x1)*(x1)*(x2)*(x3))))-(\sin(((x1)*(x1)*(x2)*(x3)))\\ -((x1)*(x1)*(x3)*(x3)))) + 18.3757*((\sin(((x1)*(x2)*(x3)*(x3))-((x1)*(x3)*(x3))))\\ (\sin(((x2)*(x2)*(x2)*(x2))-((x2)*(x2)*(x2)*(x2)*(x2)*(x3)))) + 49.5739*((\sin(((x2)*(x2)*(x3)*(x3))))\\ -((x3))-((x2)*(x3)*(x3)))-(\sin(((x3)*(x3)*(x3))*(x3))-(((x0))-((x1)))))) + -74.4496*\\ ((\sin((((x2))-((x3)))-(((x0))*(x0))-(((x0)*(x1)))))-(\sin((((x0)*(x2))-((x2)*(x3)))-((x3)*(x3)))))\\ -(\sin((((x0)*(x0)*(x0))-((x0)*(x1))))-(((x0)*(x1)*(x2)))-(((x2)*(x2)))-(((x2)*(x3)))))) + -74.1089*((\sin((((x0)*(x1)*(x1))-((x0)*(x1)*(x1)))))) + ((x1)*(x1))-((x1)*(x1))-((x1)*(x1)))) + ((x0)*(x2)*(x3))-((x0)*(x3)*(x3)))) + ((x1)*(x1)*(x1))-((x1)*(x1)*(x1))+((x1)*(x1)*(x1))+((x1)*(x1)*(x1))+((x1)*(x1)*(x1))+((x1)*(x1)*(x1))+((x1)*(x1)*(x1))+((x1)*(x1)*(x1))+((x1)*(x1)*(x1))+((x1)*(x1)*(x1))+((x1)*(x1)*(x1))+((x1)*(x1)*(x1))+((x1)*(x1)*(x1))+((x1)*(x1)*(x1))+((x1)*(x1)*(x1))+((x1)*(x1)*(x1)*(x1))+((x1)*(x1)*(x1)*(x1)+((x1)*(x1)*(x1)*(x1))+((x1)*(x1)*(x1)*(x1))+((x1)*(x1)*(x1)*(x1)+(x1)*(x1))+((x1)*(x1)*(x1)*(x1))+((x1)*(x1)*(x1)*(x1)*(x1)*(x1)*(x1)*(x1)$)))) - *
10 $W = F * (x2 - x1)$	x0*(x1-x2)	$0 \ 1.0*((x0)*((x1)-(x2))) + 0.0$	1
		0.2 0.9969*((x0)*((x1)-(x2))) + -0.0282	0.9975357109
		0.4 $1.0158*((x0)*((x1)-(x2))) + -0.0359$	0.9904126723
		$0.6378*(\sin((x0)*(x0)*(x0)*((x1)-(x2)))) + 1.841*(\sin((x0)*((x1)-(x2))*((x1)-(x2))*((x1)-(x2))) + 0.9073*(\sin((((x1)-(x2))*((x1)-(x2)))-((x0)*(x0)*(x0)*(x0)))) + 1.2366*(\sin(((x0)*(x1)-(x2)))) + (((x1)-(x2)))+(((x1)-(x2)))*((x1)-(x2))))) + 1.092*(\sin(((x0)*(x0)*(x1)-(x2))) + ((x1)-(x2)))) + 3.5132*(\sin(((x0)*(x0)*(x0)*(x0))-(((x0)*(x0)))) + 0.5971*(1/((((x1)-(x2))*((x1)-(x2)))-((x0)*(x0)*(x0)))) + 2.5.589$	*
11 j = sigma * T^4	x0 * x1**4	0 -21.3723*((((x1)*(x1))-((x0)*(x0)*(x0)))+(((x0)*(x1))-((x0)*(x1))+((x0)*(x1))+((x0)*(x1))+((x0)*(x1)*(x1)))+((x0)*(x1)*(x1))+((x1)*(x1))+((x0)*(x0)*(x0)*(x0)*(x0))))) + 172.7741	0.5031019116
		0.2 $-21.1703*(((((x1)*(x1))-((x0)*(x0)*(x0)))+(((x0)*(x0)*(x1))-((x0)*(x1)))+(((x1)*(x1)))+(((x1)*(x1)))+((x1)*(x1))))+((x1)*(x1)))))$	0.5038398841
		0.4 $-20.7081*(((((x1)*(x1))-((x0)*(x0)*(x0)))+(((x0)*(x0)*(x1))-((x0)*(x1)*(x1))))-(\sin(((x0)*(x0)*(x1)*(x1))+((x1)*(x1)*(x1)*(x1))))) + 361.3643$	0.493500965
		0.6	8 0.003569542779
12 $P = n*R*T/V$	x0 * x1 * x2 / x3	$\begin{array}{l} 0 \\ -1.3285^*((x0)^*(x0)) + 1.8549^*((x1)) + 0.3453^*((x2)) + -0.4867^*((x2)^*(x2)) + 0.7254^* \\ ((x3)^*(x3)) + -3.5847^*(\sin((x0))) + -5.5965^*(\sin((x0)^*(x0))) + -6.3586^*(\sin((x0)^*(x0)) \\ (x0))) + -17.0717^*(\sin((x0)^*(x0)^*(x0)^*(x0))) + -8.9074^*(\sin((x1))) + -5.6549^*(\sin((x1)^*(x1))) \\ (x1))) + -21.8037^*(\sin((x1)^*(x1)^*(x1))) + -0.7102^*(\sin((x1)^*(x1)^*(x1)^*(x1))) + -0.6321 \\ (\sin((x2))) + 9.935^*(\sin((x2)^*(x2))) + -4.6699^*(\sin((x2)^*(x2)^*(x2))) + -11.2529^*(\sin((x2)^*(x2)^*(x2))) \\ (x2)^*(x2)^*(x2)) + 0.5173^*(\sin((x3))) + 0.7303^*(\sin((x3)^*(x3))) + -0.7584^*(\sin((x3)^*(x3)^*(x3))) \\ (x3)^*(x3))) + -1.4896^*(\sin((x3)^*(x3)^*(x3)^*(x3))) + 1.8242 \end{array}$	k

-0.3871525051

0.2 -34.4271*((x0)) + 56.6389*((x1)) + -45.3773*((x2)) + -17.5187*((x3)) + -71.3395*((x0))*(x0)) + 39.0564*((x0)*(x1)) + 11.5525*((x0)*(x2)) + -12.989*((x0)*(x3)) + -60.766* ((x1)*(x1)) + 1.8274*((x1)*(x2)) + -19.2292*((x1)*(x3)) + 8.2483*((x2)*(x2)) +-42.4123*((x2)*(x3)) + -13.1229*((x3)*(x3)) + -2.5129*((x0)*(x0)*(x0)) + -0.7887*((x0))(x0)(x1) + 0.9308((x0)(x0)(x2)) + 0.8396((x0)(x0)(x3)) + 2.2264((x0)(x1))(x3)(x1)) + -2.8761*((x0)*(x1)*(x2)) + 5.4644*((x0)*(x1)*(x3)) + -1.2758*((x0)*(x2)*(x2)* + -0.5072*((x0)*(x2)*(x3)) + 1.2513*((x0)*(x3)*(x3)) + 1.0118*((x1)*(x1)*(x1)) +3.3982*((x1)*(x1)*(x2)) + -3.18*((x1)*(x1)*(x3)) + 0.3328*((x1)*(x2)*(x2)) + -0.4559*((x1)*(x2)*(x3)) + -1.23*((x1)*(x3)*(x3)) + -0.4279*((x2)*(x2)*(x2)) + 0.6184*((x2)*(x3))(x0)*(x0)*(x1)) + -0.5778*((x0)*(x0)*(x1)*(x1)) + 0.8791*((x0)*(x0)*(x1)*(x3)) +0.862*((x1)*(x1)*(x1)*(x1)) + -0.6827*((x1)*(x2)*(x3)*(x3)) + 0.5879*((x2)*(x3)*(x3)) $(x3) + 0.3637*((x3)*(x3)*(x3)*(x3)) + -161.4295*(\sin((x0))) + -103.5718*(\sin((x1))) + -103.5718*(\sin((x1)))$ $-118.3949*(\sin(x2))) + 23.4749*(\sin(x3))) + -121.3485*(\sin(x0)*(x0))) + -42.4576*$ $(\sin((x0)*(x1))) + -106.2406*(\sin((x0)*(x2))) + -67.3342*(\sin((x0)*(x3))) + 142.5271*$ $(\sin((x_1)^*(x_1))) + 43.5748^*(\sin((x_1)^*(x_2))) + 183.4953^*(\sin((x_1)^*(x_3))) + 197.3063^*(\sin((x_1)^*(x_3)))$ $((x2)*(x2))) + -95.3066*(\sin((x2)*(x3))) + -37.2968*(\sin((x3)*(x3))) + 93.5651*(\sin((x0)))$ $*(x0)*(x0)) + -87.4954*(\sin((x0)*(x0)*(x1))) + 80.4485*(\sin((x0)*(x0)*(x2))) +$ $-138.9196*(\sin((x0)*(x0)*(x3))) + -52.8786*(\sin((x0)*(x1)*(x1))) + 28.8297*(\sin((x0)*(x1)*(x1)))$ $(x1)*(x2)) + 121.8495*(\sin((x0)*(x1)*(x3))) + -214.7837*(\sin((x0)*(x2)*(x2))) +$ $(x1)*(x1)) + 100.3342*(\sin((x1)*(x1)*(x2))) + 123.0186*(\sin((x1)*(x1)*(x3))) +$ $(x3)*(x3)) + 24.6718*(\sin((x2)*(x2)*(x2))) + 90.78*(\sin((x2)*(x2)*(x3))) + -41.7005*$ $(\sin((x_2)^*(x_3)^*(x_3))) + 38.8912^*(\sin((x_3)^*(x_3)^*(x_3))) + -43.2639^*(\sin((x_0)^*(x_0)^*(x_0)^*(x_0)^*)$ (x1)) + -44.231* $(\sin((x0)*(x0)*(x0)*(x2))$) + -178.7748* $(\sin((x0)*(x0)*(x0)*(x3))$) + (x1))) + 81.077* $(\sin((x0)*(x1)*(x1)*(x2))$) + -100.2733* $(\sin((x0)*(x1)*(x1)*(x3))$) + $-119.1282*(\sin(x0)*(x1)*(x2)*(x2))) + -169.7972*(\sin(x0)*(x1)*(x2)*(x3))) + -1.1829$ (x3)) + -143.8076* $(\sin((x1)*(x1)*(x1)*(x1))$ + 35.3576* $(\sin((x1)*(x1)*(x1)*(x2))$ + $-45.1745*(\sin((x1)*(x1)*(x1)*(x3))) + -176.6767*(\sin((x1)*(x1)*(x2)*(x2))) + 65.1481*$ $(\sin((x_1)^*(x_1)^*(x_2)^*(x_3))) + -62.4891^*(\sin((x_1)^*(x_1)^*(x_3)^*(x_3))) + 37.5239^*(\sin((x_1)^*(x_1)^*(x_2)^*(x_3))) + 37.5239^*(\sin((x_1)^*(x_1)^*(x_2)^*(x_2)^*(x_2))) + 37.5239^*(\sin((x_1)^*(x_2)^*(x_2)^*(x_2)^*(x_2))) + 37.5239^*(\sin((x_1)^*(x_2)^$ $(x2)*(x2)*(x2)) + 112.2308*(\sin((x1)*(x2)*(x2)*(x3))) + 158.5796*(\sin((x1)*(x2)*(x3)))$ *(x3)) + 69.6419 $*(\sin((x1)*(x3)*(x3)*(x3)))$ + 43.4266 $*(\sin((x2)*(x2)*(x2)*(x2)))$ + $186.8069*(\sin((x2)*(x2)*(x2)*(x3))) + -109.4988*(\sin((x2)*(x2)*(x3)*(x3))) + -17.7371$ $*(\sin((x_2)*(x_3)*(x_3)*(x_3))) + -20.1993*(\sin((x_3)*(x_3)*(x_3)*(x_3))) + 14.3709*(1/((x_0)))$ +33.9452*(1/((x1))) + -125.1699*(1/((x2))) + -16.0134*(1/((x3))) + 0.4927*(1/((x0))*(x0))) + -15.9528*(1/((x0)*(x1))) + -126.3289*(1/((x0)*(x2))) + -57.3529*(1/((x0)*(x3)))+0.3218*(1/((x1)*(x1))) + 26.8619*(1/((x1)*(x2))) + -44.2686*(1/((x1)*(x3))) + 2.7723*(1/((x2)*(x2))) + 93.0298*(1/((x2)*(x3))) + -0.8195*(1/((x3)*(x3))) + 5.4602*(1/((x0)*(x3)))(x0)*(x1)) + -3.1952*(1/((x0)*(x0)*(x2))) + 12.5889*(1/((x0)*(x0)*(x3))) + -5.9522*(1/(x0)*(x0)*(x0)))((x0)*(x1)*(x1))) + -75.331*(1/((x0)*(x1)*(x2))) + -86.5389*(1/((x0)*(x1)*(x3))) +5.323*(1/((x0)*(x2)*(x2))) + 94.2167*(1/((x0)*(x2)*(x3))) + 5.0416*(1/((x0)*(x3)*(x3)))(x3)) + -6.3886*(1/((x1)*(x1)*(x2))) + 0.9066*(1/((x1)*(x1)*(x3))) + 3.7473*(1/((x1)*(x1)*(x3)))(x2)*(x2)) + -9.1521*(1/((x1)*(x2)*(x3))) + -1.1874*(1/((x1)*(x3)*(x3))) + -2.9834*(1/(x1)*(x2)*(x3)))((x2)*(x2)*(x3))) + 1.2524*(1/((x2)*(x3)*(x3))) + -0.3457*(1/((x0)*(x0)*(x1)*(x1))) +(x3)*(x3)) + 31.0912*(1/((x0)*(x1)*(x1)*(x2))) + 1.5663*(1/((x0)*(x1)*(x1)*(x3))) +-5.116*(1/((x0)*(x1)*(x2)*(x2))) + 11.1347*(1/((x0)*(x1)*(x2)*(x3))) + 1.2688*(1/((x0)*(x1)*(x2)*(x3)))*(x1)*(x3)*(x3)) + -6.7378*(1/((x0)*(x2)*(x2)*(x3))) + 7.0788*(1/((x0)*(x2)*(x3)*(x3)))(x3)) + -0.8758*(1/((x1)*(x2)*(x2)*(x3))) + -2.4722*(1/((x1)*(x2)*(x3)*(x3))) + 822.3097

-6.880727857

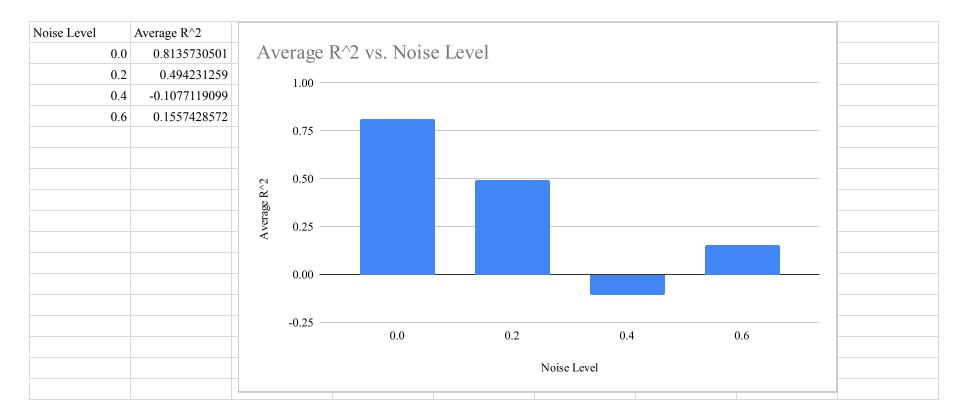
0.4 - 197.105*((x0)) + -52.2205*((x1)) + -44.1226*((x2)) + -82.0357*((x3)) + -4.2863*((x0))(x0)) + -4.9829*((x0)*(x1)) + -29.0118*((x0)*(x2)) + 27.8047*((x0)*(x3)) + 20.1202* ((x1)*(x1)) + 14.2769*((x1)*(x2)) + 6.1987*((x1)*(x3)) + 40.6056*((x2)*(x2)) +(x2)) + -1.3219*((x0)*(x1)*(x3)) + 1.8326*((x0)*(x2)*(x2)) + 1.0726*((x0)*(x2)*(x3)) + 0.5424*((x0)*(x3)*(x3)) + -1.6196*((x1)*(x1)*(x1)) + 3.0407*((x1)*(x1)*(x2)) + 0.5983(x3)*(x3)) + -2.0166*((x2)*(x2)*(x2)) + 1.0794*((x2)*(x2)*(x3)) + 5.6376*((x2)*(x3)*(x3))(x3)) + 1.5588*((x3)*(x3)*(x3)) + 2.8197*((x0)*(x0)*(x0)*(x1)) + 1.1922*((x0)*(x0)*(x1))(x0)*(x3)) + -1.3727*((x0)*(x0)*(x1)*(x1)) + -0.5306*((x0)*(x0)*(x1)*(x2)) + 1.3293*((x0)*(x0)*(x1)*(x3)) + 3.5908*((x0)*(x0)*(x2)*(x3)) + 1.3162*((x0)*(x0)*(x3)*(x3)) +-2.1479*((x0)*(x1)*(x1)*(x1)) + 3.7803*((x0)*(x1)*(x1)*(x2)) + -2.345*((x0)*(x1)*(x1)(x3) + -1.1473*(x0)*(x1)*(x2)*(x2)*(x2) + 1.2681*((x0)*(x1)*(x2)*(x3) + -0.9758*((x0)(x1)*(x2) + 0.6423*((x1)*(x1)*(x1)*(x1)*(x3)) + -1.1342*((x1)*(x1)*(x3)*(x3)) + -1.208*((x1)*(x2)*(x2)*(x2)) + -0.4518*((x1)*(x2)*(x2)*(x3)) + -1.9344*((x1)*(x2)*(x3)*(x3))+-1.3176*((x1)*(x3)*(x3)*(x3))+-0.5641*((x2)*(x2)*(x2)*(x3))+-0.3943*((x2)*(x2)*(x3)) $(x3)*(x3) + -1.31*((x2)*(x3)*(x3)*(x3)) + -10.2744*(\sin((x0))) + -32.4991*(\sin((x1))) +$ $-43.74*(\sin(x2)) + -54.9394*(\sin(x3)) + -104.2983*(\sin(x0)*(x0)) + 21.3623*(\sin(x3))$ $((x0)*(x1))) + 42.3566*(\sin((x0)*(x2))) + 16.4419*(\sin((x0)*(x3))) + -29.5615*(\sin((x1)))$ $*(x1))) + -57.5718*(\sin(x1)*(x2))) + -28.4307*(\sin(x1)*(x3))) + 8.7861*(\sin(x2)*(x1))) + -28.4307*(\sin(x1)*(x3))) + -28.4307*(\sin(x1)*(x3)) + -28.4307*(\sin(x1)*(x3))) + -28.4307*(\sin(x1)*(x3)) + -28.4307*(\sin(x1)*(x3))) + -28.4307*(\sin(x1)*(x3)) + -28.4307*(\sin(x1)*(x3))) + -28.4307*(\sin(x1)*(x3)) + -28.4307*(x3) + -28.4307*($ (x2)) + -34.7178* $(\sin((x2)*(x3)))$ + -60.2767* $(\sin((x3)*(x3)))$ + 54.0708* $(\sin((x0)*(x0)))$ *(x0)) + -3.4012 $*(\sin(x0)*(x0)*(x1))$) + 47.5021 $*(\sin(x0)*(x0)*(x2))$) + -65.1088 $*(\sin(x0)*(x0)*(x2))$) $((x0)*(x0)*(x3)) + -136.9926*(\sin((x0)*(x1)*(x1))) + 125.0979*(\sin((x0)*(x1)*(x2))) +$ $(x2)*(x3)) + -118.0216*(\sin((x0)*(x3)*(x3))) + -77.9572*(\sin((x1)*(x1)*(x1))) + 5.9804$ $*(\sin((x1)*(x1)*(x2))) + 36.6593*(\sin((x1)*(x1)*(x3))) + 105.0135*(\sin((x1)*(x2)*(x2)))$ $+97.6453*(\sin(x1)*(x2)*(x3))) + -92.4172*(\sin(x1)*(x3)*(x3))) + -36.1231*(\sin(x2)*(x3))$ $(x2)*(x2)) + -119.4255*(\sin((x2)*(x2)*(x3))) + -22.5182*(\sin((x2)*(x3)*(x3))) +$ $12.1006*(\sin((x3)*(x3)*(x3))) + 79.7745*(\sin((x0)*(x0)*(x0)*(x0))) + 129.1322*(\sin(x0)*(x0)*(x0))$ $(x0)*(x3)) + 95.7765*(\sin((x0)*(x0)*(x1)*(x1))) + -30.7524*(\sin((x0)*(x0)*(x1)*(x2)))$ $+-64.3279*(\sin((x0)*(x0)*(x1)*(x3))) +-2.0994*(\sin((x0)*(x0)*(x2)*(x2))) +10.8964*$ (x3)) + 49.3131* $(\sin((x0)*(x1)*(x2)*(x2)))$ + 72.9992* $(\sin((x0)*(x1)*(x2)*(x3)))$ + $238.1191*(\sin((x0)*(x1)*(x3)*(x3))) + 79.9625*(\sin((x0)*(x2)*(x2)*(x2))) + 12.4974*$ (x2))) + -65.9077* $(\sin((x1)*(x1)*(x1)*(x3)))$ + -61.1392* $(\sin((x1)*(x1)*(x2)*(x2)))$ + $27.0383*(\sin((x1)*(x1)*(x2)*(x3))) + -20.3815*(\sin((x1)*(x1)*(x3)*(x3))) + -11.6614*$ $(\sin((x1)*(x2)*(x2)*(x2))) + -123.5791*(\sin((x1)*(x2)*(x2)*(x3))) + -11.8687*(\sin((x1)*(x2)*(x3)))$ $(x2)*(x3)*(x3)) + 3.1702*(\sin((x1)*(x3)*(x3)*(x3))) + 92.8412*(\sin((x2)*(x2)*(x2)*(x3)))$ (x2)) + 2.2977* $(\sin((x2)*(x2)*(x2)*(x3)))$ + -25.8252* $(\sin((x2)*(x2)*(x3)*(x3)))$ + $-27.4612*(\sin((x2)*(x3)*(x3)*(x3))) + -56.4972*(\sin((x3)*(x3)*(x3)*(x3))) + -191.6131$ *(1/((x0))) + -60.9338*(1/((x1))) + 50.2234*(1/((x2))) + -34.9057*(1/((x3))) + 0.4862*(1/((x3)))((x0)*(x0)) + 15.3567*(1/((x0)*(x1))) + 40.2184*(1/((x0)*(x2))) + -52.7246*(1/((x0)*(x2)))(x3)) + 37.2659*(1/((x1)*(x2))) + -17.1819*(1/((x1)*(x3))) + 12.3772*(1/((x2)*(x3))) + -2.5068*(1/((x0)*(x0)*(x1))) + 0.48*(1/((x0)*(x0)*(x2))) + 3.3307*(1/((x0)*(x0)*(x3)))+0.4155*(1/((x0)*(x1)*(x1))) +27.4087*(1/((x0)*(x1)*(x2))) +-51.6177*(1/((x0)*(x1)*(x2)))(x3)) + -20.0442*(1/((x0)*(x2)*(x3))) + -1.1482*(1/((x1)*(x1)*(x2))) + 0.3256*(1/((x1)*(x1)*(x2))) $(x1)^*(x3)$ + 0.7065* $(1/((x1)^*(x2)^*(x2))$ + -8.2517* $(1/((x1)^*(x2)^*(x3))$ + 0.8426* $(1/((x1)^*(x2)^*(x3))$ ((x2)*(x2)*(x3))) + -1629.129

9

		0.6	$ \begin{array}{l} 1.3223*((x0)) + -16.6717*((x1)) + -17.9198*((x2)) + 1.9294*((x3)) + -4.1921*((x0)* \\ (x0)) + 1.9008*((x0)*(x1)) + -0.5*((x0)*(x3)) + -3.4241*((x1)*(x2)) + -1.3811*((x2)* \\ (x2)) + 2.9112*((x2)*(x3)) + 0.5754*((x3)*(x3)) + -3.4241*((x1)*(x2)) + -1.3811*((x2)* \\ (x0)*(x3)*(x3)) + -2.1822*(sin((x0))) + -4.0063*(sin((x1))) + -3.0158*(sin((x2))) + 1.5691*(sin((x0))) + 1.5691*(sin((x0))) + 8.9775*(sin((x0)*(x1))) + 10.8297*(sin((x0))*(x2)) + 14.2779*(sin((x0))*(x3)) + 18.6269*(sin((x1))*(x1))) + 3.9146*(sin((x1))* \\ (x2)) + -6.3857*(sin((x1))*(x3))) + 3.2455*(sin((x2))*(x2)) + 7.357*(sin((x2))*(x3))) + \\ -9.3077*(sin((x3))*(x3))) + -2.0419*(sin((x0))*(x0))*(x0))*(x0)) + 8.1187*(sin((x0))*(x0))*(x1)) + \\ +8.1447*(sin((x0))*(x2)) + 3.2382*(sin((x0))*(x0))*(x3)) + 1.12.4409*(sin((x0))* \\ (x1)*(x1)) + 20.8126*(sin((x0))*(x1)*(x2)) + 1.9522*(sin((x0))*(x1)*(x3))) + 17.3792* \\ (sin((x0))*(x2)*(x2)) + 32.8967*(sin((x0))*(x2)*(x3))) + 19.6441*(sin((x0))*(x3))*(x3)) + \\ -20.776*(sin((x1))*(x1)*(x1)) + 8.5627*(sin((x1))*(x1)) + 17.6244*(sin((x1))*(x1))* \\ (sin((x1))*(x3)*(x3)) + 19.0875*(sin((x2))*(x2)*(x2))) + 1.5188*(sin((x2))*(x2))*(x3)) + \\ 1.0868*(sin((x2))*(x3))*(x3)) + 19.0875*(sin((x1))*(x1)) + 1.5188*(sin((x2))*(x2))*(x3)) + \\ 1.0868*(sin((x2))*(x3))*(x3)) + 11.1822*(sin((x0))*(x0))*(x1))*(x1)) + 11.1643* \\ (sin((x0))*(x0))*(x1)*(x1)) + 11.1822*(sin((x0))*(x1))*(x1)) + 1.45407*(sin((x0))*(x0))*(x1))* \\ (x0)*(x2)*(x2))) + -15.9698*(sin((x0))*(x0))*(x1))*(x1)) + 1.3532*(sin((x0))*(x0))*(x1))* \\ (x0)*(x2)*(x2))) + -29.222*(sin((x0))*(x1))*(x1)) + 1.5602*(sin((x1))*(x1))*(x1)) + 1.1643* \\ (sin((x1))*(x1)*(x1)*(x3))) + 3.2047*(sin((x1))*(x1)) + 1.5602*(sin((x0))*(x1))*(x1))*(x1))*(x1))*(x1))*(x1))*(x1))*(x1))*(x1))*(x1)*(x1$	-0.332290674
$13 \mid T = 2pi/w$	2pi/x0	0	6.2832*(1/((x0))) + 0.0	1
		0.2	0.5787*((x0)) + 0.4887*(1/((x0))) + -3.1407	0.002906234534
		0.4	0.4304*((x0)) + 1.1704*(1/((x0))) + -2.623	0.003101559591
		0.6	0.5425*((x0)) + -0.3904*(1/((x0))) + 0.089	0.0004904541162
14 $F_c = m v^2/R$	x0 * x1^2 / x2	0	$ \begin{array}{l} -1.0481^*((x0)) + -0.8351^*((x1)) + 17.1809^*((x2)) + -3.249^*((x0)^*(x0)) + -10.1909^*((x0) \\ *(x1)) + 0.3165^*((x0)^*(x2)) + 4.1446^*((x1)^*(x1)) + 54.8882^*((x1)^*(x2)) + 18.5894^* \\ ((x2)^*(x2)) + -0.3705^*((x1)^*(x1)^*(x2)) + -0.3774^*((x1)^*(x2))^*(x2)^*(x2)) + 85.4161 \\ *(1/((x0))) + -2.1229^*(1/((x1))) + -129.7458^*(1/((x2))) + -0.5499^*(1/((x0)^*(x0))) + \\ 122.3791^*(1/((x0)^*(x1))) + 231.7337^*(1/((x0)^*(x2))) + -24.0946^*(1/((x1)^*(x2))) + 0.357 \\ *(1/((x2)^*(x2))) + -1.8106^*(1/((x0)^*(x1))) + -7.6025^*(1/((x0)^*(x0)^*(x2))) + 0.6462 \\ *(1/((x0)^*(x1)^*(x1))) + -3.143^*(1/((x0)^*(x1)^*(x2))) + 1.6463^*(1/((x0)^*(x2)^*(x2))) + \\ 0.4433^*(1/((x1)^*(x1)^*(x2))) + -1.1811^*(1/((x1)^*(x2)^*(x2))) + 0.5503^*(1/((x0)^*(x0)^*(x1)^*(x1))) + 0.3178^*(1/((x0)^*(x0)^*(x1)^*(x2))) + -0.6152^*(1/((x0)^*(x0)^*(x2)^*(x2))) + -1.457 \\ *(1/((x0)^*(x1)^*(x1)^*(x2))) + -0.36^*(1/((x0)^*(x1)^*(x2)^*(x2))) + -285.0321 \\ \end{array}$	0.1479885605

		0.2	$-1231.1588^*((x0)) + 654.5669^*((x1)) + 1146.1351^*((x2)) + -8.1439^*((x0)^*(x0)) + \\ 92.0103^*((x0)^*(x1)) + -49.6698^*((x0)^*(x2)) + -13.5505^*((x1)^*(x1)) + 8.7376^*((x1)^*(x2)) + \\ (x2)) + -47.3085^*((x2)^*(x2)) + 9.6868^*((x0)^*(x0)^*(x0)) + -6.7387^*((x0)^*(x0)^*(x1)) + \\ -5.3053^*((x0)^*(x0)^*(x2)) + 2.4492^*((x0)^*(x1)^*(x1)) + 0.4334^*((x0)^*(x1)^*(x2)) + 9.3899 \\ *((x0)^*(x2)^*(x2)) + -7.1691^*((x1)^*(x1)^*(x1)) + -6.1545^*((x1)^*(x1)^*(x2)) + 0.409^*((x1)^*(x2)^*(x2)) + -11.0989^*((x2)^*(x2)) + 0.4467^*((x0)^*(x0)^*(x0)^*(x2)) + 0.4534^*((x0)^*(x0)^*(x1)^*(x1)) + \\ -0.9578^*((x0)^*(x1)^*(x2)^*(x2)) + 0.3351^*((x0)^*(x2)^*(x2)) + 0.6877^*((x2)^*(x2)) + \\ (x2)^*(x2)) + 327.5463^*(1/((x0))) + -155.7115^*(1/((x1))) + 1368.7326^*(1/((x2))) + \\ 369.4365^*(1/((x0)^*(x1))) + 469.0132^*(1/((x0)^*(x2))) + 2.8882^*(1/((x1)^*(x1))) + \\ -517.2043^*(1/((x1)^*(x2))) + -3.1198^*(1/((x2)^*(x2))) + 2.7982^*(1/((x0)^*(x0)^*(x1))) + \\ 5.8052^*(1/((x0)^*(x0)^*(x2))) + 2.2074^*(1/((x0)^*(x1))^*(x1)) + 232.1327^*(1/((x0)^*(x1)^*(x2))) + \\ (x2))) + 7.4982^*(1/((x0)^*(x2)^*(x2))) + 12.4282^*(1/((x1)^*(x2)^*(x2))) + -0.3262^*(1/((x0)^*(x1)^*(x1))) + \\ (x0)^*(x1)^*(x1)) + 0.3228^*(1/((x0)^*(x0)^*(x2)^*(x2))) + 451.9674$	-0.0322427766
		0.4	$ 42.5489^*((x0)) + -38.8095^*((x1)) + -15.9248^*((x2)) + -21.3768^*((x0)^*(x0)) + -7.1095^* \\ ((x0)^*(x1)) + -8.9963^*((x0)^*(x2)) + 28.1526^*((x1)^*(x1)) + -2.6281^*((x1)^*(x2)) + \\ 10.7258^*((x2)^*(x2)) + -0.4276^*((x0)^*(x0)) + 0.4076^*((x1)^*(x1))^*(x1)) + -66.6971^* \\ (1/((x0))) + 49.3689^*(1/((x1))) + 23.4908^*(1/((x2))) + 18.1639^*(1/((x0)^*(x1))) + 30.0728 \\ (1/((x0)^*(x2))) + 34.7021^*(1/((x1)^*(x2))) + -0.8257^*(1/((x0)^*(x1))) + -0.5469^*(1/((x0)^*(x1))) + -1.03462^*(1/((x0)^*(x1)^*(x2))) + -3.681^*(1/((x0)^*(x1)^*(x2))) \\ + -1.0827^*(1/((x0)^*(x1)^*(x2)^*(x2))) + -260.7858 $	-0.2591199204
		0.6	$-19.5058*((x0)) + -21.3681*((x1)) + -16.2966*((x2)) + 1.8414*((x0)*(x0)) + -1.8478*\\ ((x0)*(x1)) + 1.5433*((x0)*(x2)) + 1.121*((x1)*(x2)) + 4.7311*((x2)*(x2)) + -0.8094*\\ ((x0)*(x0)*(x2)) + 0.3607*((x0)*(x1)*(x1)) + 0.4269*((x0)*(x2)*(x2)) + -0.6615*((x1)*\\ (x1)*(x2)) + -1.2494*((x2)*(x2)*(x2)) + -4.622*(1/((x0))) + 1.3861*(1/((x1))) + -5.1492*\\ (1/((x2))) + 2.2954*(1/((x0))*(x0))) + 9.0738*(1/((x0)*(x1))) + -2.3348*(1/((x0)*(x2))) + 0.4282*(1/((x1)*(x1))) + 4.8596*(1/((x1)*(x2))) + -1.1337*(1/((x0)*(x0)*(x1))) + -3.3756*(1/((x0)*(x0)*(x2))) + 0.4608*(1/((x0)*(x1)*(x1))) + 0.4584*(1/((x0)*(x1)*(x1))) + 0.457*(1/((x0)*(x1)*(x1))) + 1.742*(1/((x1)*(x2))) + 0.677*(1/((x0)*(x1)*(x1)*(x1))) + 1.1579*(1/((x0)*(x1)*(x2)*(x2))) + -0.6932*(1/((x1)*(x1)*(x2))) + -1.70.9459$	-0.2712867235
F = mgcos(theta)	x0*x1*cos(x2)	0	$-0.7403*(\cos((x1))) + -0.8188*(\cos((x0)*(x1))) + -0.5346*(\cos((x0)*(x2))) + 1.0685*(\cos((x1)*(x1))) + 0.8773*(\cos((x0)*(x0)*(x2))) + 0.3654*(\cos((x0)*(x1)*(x1))) + 0.4945* \\ (\cos((x1)*(x1)*(x1))) + 0.3784*(\cos((x1)*(x2)*(x2))) + -0.4403*(\cos((x2)*(x2)*(x2))) + 0.3767*(\cos((x0)*(x0)*(x1)*(x1))) + 0.5725*(\cos((x0)*(x1)*(x1)*(x1))) + 0.3554*(\cos((x1)*(x1)*(x1))) + 0.7106*(\cos((x1)*(x2)*(x2)*(x2))) + -1.3525 \\ \end{array}$	0.07919453937
		0.2	$\begin{array}{l} 0.7734^*(\cos((x2))) + -0.4515^*(\cos((x0)^*(x0))) + -0.5481^*(\cos((x0)^*(x1))) + -0.5718^*(\cos((x0)^*(x2))) + -0.3617^*(\cos((x2)^*(x2))) + -0.3279^*(\cos((x0)^*(x0)^*(x2))) + 0.3325^*(\cos((x0)^*(x1)^*(x2))) + 0.343^*(\cos((x1)^*(x2)^*(x2))) + 0.3764^*(\cos((x2)^*(x2)^*(x2))) + 0.7156^*(\cos((x0)^*(x0)^*(x0)^*(x1)) + -0.4527^*(\cos((x0)^*(x0)^*(x0))^*(x1)) + -0.6427^*(\cos((x0)^*(x0)^*(x1)^*(x2))) + -0.6288^*(\cos((x0)^*(x0)^*(x0)^*(x2)^*(x2))) + 0.4215^*(\cos((x0)^*(x1)^*(x2)^*(x2))) + 0.3183^*(\cos((x0)^*(x2)^*(x2)^*(x2))) + -0.3223^*(\cos((x1)^*(x1)^*(x2)^*(x2))) + 0.3816^*(\cos((x1)^*(x2)^*(x2)^*(x2))) + -0.4273^*(\cos((x2)^*(x2)^*(x2))) + -0.2724 \end{array}$	0.06815280796
		0.4	$\begin{array}{l} 0.7806*(\cos((x2))) + -0.4165*(\cos((x0)*(x0))) + -0.8098*(\cos((x0)*(x0)*(x0))) + 0.4363\\ *(\cos((x0)*(x0)*(x1))) + 0.4554*(\cos((x0)*(x1)*(x1))) + -0.807*(\cos((x1)*(x1)*(x1))) + \\ 0.512*(\cos((x0)*(x1)*(x1)*(x2))) + 0.6052*(\cos((x0)*(x1)*(x2)*(x2))) + -0.3385*(\cos((x0)*(x2)*(x2)*(x2))) + -0.2196 \end{array}$	0.05859211564
		0.6	$-0.3909*(\cos((x1)*(x2))) + 0.5089*(\cos((x0)*(x0)*(x2))) + -0.5326*(\cos((x0)*(x1)*(x2))) + 0.3739*(\cos((x1)*(x1)*(x1))) + 0.6875*(\cos((x2)*(x2)*(x2))) + -0.458*(\cos((x0)*(x0)*(x0)*(x2))) + 0.6023*(\cos((x0)*(x0)*(x1)*(x2))) + 0.3484*(\cos((x0)*(x0)*(x2)*(x2))) + -0.3222*(\cos((x0)*(x1)*(x2)*(x2))) + -0.4295*(\cos((x1)*(x1)*(x1)*(x1))) + -0.4141*(\cos((x1)*(x1)*(x2)*(x2))) + 0.3396*(\cos((x2)*(x2)*(x2)*(x2)*(x2))) + 0.1961$	0.08060896995

16 Stress strain relationship	x0 / x1 + (x0 / x2)**x3	0	$-4.5661^*((x0)) + 5.9707^*((x1)) + -1.1108^*((x2)) + 2.8429^*((x0)^*(x0)) + -11.7622^*((x0)^*(x1)) + -1.2376^*((x0)^*(x2)) + -4.1219^*((x0)^*(x3)) + 12.3554^*((x1)^*(x1)) + -1.6275^* \\ ((x2)^*(x2)) + 4.073^*((x2)^*(x3)) + 3.8996^*((x0)^*(x0)^*(x0)) + -2.3619^*((x0)^*(x0)^*(x2)) + -5.9087^*((x0)^*(x3)) + -10.7056^*((x0)^*(x1)^*(x1)) + -0.7773^*((x0)^*(x2)^*(x2)) + \\ 5.7879^*((x0)^*(x2)^*(x3)) + 11.1443^*((x1)^*(x1)^*(x1)) + -0.7151^*((x2)^*(x2)^*(x2)) + \\ 2.1175^*((x0)^*(x0)^*(x0)) + -1.7372^*((x0)^*(x0)^*(x0)^*(x2)) + -3.7068^*((x0)^*(x0)^*(x1)) + \\ (x0)^*(x3)) + 4.2208^*((x0)^*(x0)^*(x2)^*(x3)) + 1.1677^*((x0)^*(x0)^*(x3)^*(x3)) + 3.6084^* \\ ((x0)^*(x1)^*(x1)^*(x1)) + -2.0152^*((x0)^*(x2)^*(x3)^*(x3)) + 3.7194^*((x1)^*(x1)^*(x1)) + \\ +0.3656^*((x2)^*(x2)^*(x2)^*(x3)) + 0.9347^*((x2)^*(x2)^*(x3)^*(x3)) + 2.0602$	0.9999956588	
			0.2	$\begin{array}{l} 2.6512^*((x0)) + 1.3719^*((x1)) + 1.6056^*((x2)) + 1.8566^*((x3)) + 1.8067^*((x0)^*(x0)) + \\ 1.5473^*((x0)^*(x1)) + 4.7744^*((x0)^*(x2)) + 2.1617^*((x0)^*(x3)) + 1.3656^*((x1)^*(x2)) + \\ 2.5868^*((x1)^*(x3)) + 0.9852^*((x2)^*(x2)) + 1.574^*((x3)^*(x3)) + 1.0932^*((x0)^*(x0)^*(x1)) \\ + 3.4633^*((x0)^*(x1)^*(x2)) + 0.623^*((x0)^*(x0)^*(x3)) + -0.7607^*((x0)^*(x1)^*(x1)) + 3.609 \\ *((x0)^*(x1)^*(x2)) + 1.644^*((x0)^*(x1)^*(x3)) + 0.5078^*((x0)^*(x2)^*(x2)) + 1.3043^*((x0)^*(x2)^*(x3)) + 1.0654^*((x0)^*(x3)^*(x3)) + 0.8851^*((x1)^*(x1)^*(x1)^*(x3)) + 1.3125^*((x1)^*(x1)^*(x3)) + \\ *(x3)) + 0.624^*((x2)^*(x2)^*(x2)) + -0.7719^*((x2)^*(x2)^*(x3)) + 0.5446^*((x3)^*(x3)^*(x3)) + \\ 0.5657^*((x0)^*(x0)^*(x0)^*(x1)) + 0.4091^*((x0)^*(x0)^*(x0)^*(x1)^*(x2)^*(x3)) + 1.1484^*((x0)^*(x1)^*(x1)^*(x3)) + 0.9997^*((x0)^*(x1)^*(x2)^*(x2)) + 0.371^*((x0)^*(x1)^*(x2)^*(x3)) + \\ 1.3508^*((x0)^*(x1)^*(x3)^*(x3)) + 0.4294^*((x1)^*(x1)^*(x3)) + 0.7423^*((x1)^*(x2)^*(x3)) + \\ *(x2)^*(x3)) + 3.2861 \end{array}$	0.2140824055
		0.4	$\begin{array}{l} 0.4943*((x3)) + -0.3772*((x0)*(x2)) + 0.5866*((x0)*(x3)) + 0.3748*((x1)*(x2)) + 0.6418 \\ *((x1)*(x3)) + 0.5176*((x2)*(x2)) + 0.3761*((x2)*(x3)) + 0.3243*((x3)*(x3)) + -0.4128* \\ ((x0)*(x1)*(x2)) + 0.5557*((x0)*(x1)*(x3)) + 0.3694*((x1)*(x2)*(x2)) + 0.4873*((x1)*(x2)*(x3)) + 0.3479*((x1)*(x3)*(x3)) + 0.3399*((x2)*(x2)) + 0.3999*((x2)*(x3)*(x3)) + 2.1756 \end{array}$	0.04160926978	
		0.6	2.0137	0.01661764946	



# Equation	Alpha Strategy		Correct Symmetries Found? (considering all data from the <u>first round</u> of symmetry searching) - Green = Perfect (all possible symmetries found, if there are any, and no false symmetries found) - Yellow = Partial (some true symmetries found, but some true symmetries missed or false symmetries found) - Red = Incorrect (all symmetries missed, any symmetries found are false)	# True Symmetries Found	# False Symmetries Found
(x0 - x1)**2 + (x2 - x3)**2 + (x4 - x5)**2 TRUE SYMMETRIES	Constant Alphas: - a_alpha: 5 - m_alpha: 2	-100 to 100	PARTIAL CORRECT: [X] Symmetry Found: ((x0)-(x1)) -> (err = 1.604969493118613e-05) [X] Symmetry Found: ((x2)-(x3)) -> (err = 0.00010245158720401104)		
	Alpha Stratey Range -Red = Incorrect (all symmetries missed, any symmetries found are false)	FALSE: [X] Symmetry Found: $(((x0)-(x1))-((x2)-(x3))) \rightarrow (err = 0.005648359597501429)$	3	3	
		CORRECT: [X] Symmetry Found: $((x0)-(x1)) \rightarrow (err = -0.00011760322009890523)$ [X] Symmetry Found: $((x2)-(x3)) \rightarrow (err = 0.00016337057956672396)$ [X] Symmetry Found: $((x4)-(x5)) \rightarrow (err = 0.00012133814253989517)$			
				3	
		-10 to 10	CORRECT: [X] Symmetry Found: $((x0)-(x1)) \rightarrow (err = 0.002146723012388163)$ [X] Symmetry Found: $((x2)-(x3)) \rightarrow (err = 0.0018536703322933334)$		s.
		-1 to 1		-	,
			[X] Symmetry Found: ((x0)-(x1)) [X] Symmetry Found: ((x2)-(x3))	()
1			MISSING: [X] Symmetry Found: ((x0)-(x1)) [X] Symmetry Found: ((x2)-(x3))		
	Adaptive by column			()
	. taapa 10 oy colaiiii	100 10 100	CORRECT: [X] Symmetry Found: ((x0)-(x1)) -> (err = 0.004392841902108202) [X] Symmetry Found: ((x2)-(x3)) -> (err = 0.007890664437739225) [X] Symmetry Found: ((x4)-(x5)) -> (err = 0.011844617630997756)	2	3
		-50 to 50	PERFECT CORRECT: [X] Symmetry Found: ((x0)-(x1)) -> (err = 0.0075572559022184516) [X] Symmetry Found: ((x2)-(x3)) -> (err = 0.007241545252578474) [X] Symmetry Found: ((x4)-(x5)) -> (err = 0.009534308358297272)		3
		-10 to 10	PERFECT CORRECT:	-	
			[X] Symmetry Found: $((x0)-(x1)) > (err = 0.002907693840964898)$ [X] Symmetry Found: $((x2)-(x3)) > (err = 0.0018162788025187782)$ [X] Symmetry Found: $((x4)-(x5)) > (err = 0.0019246542047685056)$	3	3
			PERFECT CORRECT: [X] Symmetry Found: ((x0)-(x1)) -> (err = 0.0007760008409021246)		
		-1 to 1	[X] Symmetry Found: $((x2)-(x3)) > (err = 0.0006221392552427929)$ [X] Symmetry Found: $((x4)-(x5)) > (err = 0.001039582584170251)$	3	3

			-0.5 to 0.5	PERFECT		
				CORRECT:		
				[X] Symmetry Found: ((x0)-(x1)) -> (err = 0.0011179597373045524) [X] Symmetry Found: ((x2)-(x3)) -> (err = 0.0019527579670814976)		
				[X] Symmetry Found: ((x4)-(x5)) -> (err = 0.002199448127446546)	3	0
	x0 * (x1 - x2)**2	Constant Alphas: - a alpha: 5	-100 to 100	INCORRECT		
	TRUE SYMMETRIES	- m_alpha: 2		FALSE: [X] Symmetry Found: ((x0)-(x1)) -> (err = 0.009283861868994103)		
				MISSING: [X] Symmetry Found: ((x1)-(x2))	() 1
				PERFECT		
				CORRECT:		
			-50 to 50	[X] Symmetry Found: $((x1)-(x2)) \rightarrow (err = 0.0008048932821270727)$	1	0
			-10 to 10	INCORRECT		
				MISSING: [X] Symmetry Found: ((x1)-(x2))	(0
				INCORRECT	,	, ,
				MISSING:		
			-1 to 1	[X] Symmetry Found: ((x1)-(x2))	(0
			-0.5 to 0.5	INCORRECT		
2				MISSING:	_	
		Adaptive by column	-100 to 100	[X] Symmetry Found: ((x1)-(x2)) INCORRECT	(0
				MISSING:		
				[X] Symmetry Found: ((x1)-(x2))	(0
			-50 to 50	INCORRECT		
				MISSING:		
			-10 to 10	[X] Symmetry Found: ((x1)-(x2)) INCORRECT	(0
			10 to 10			
				MISSING: [X] Symmetry Found: ((x1)-(x2))	(0
				PERFECT		
				CORRECT:		
			-1 to 1 -0.5 to 0.5	[X] Symmetry Found: ((x1)-(x2)) -> (err = 0.00906434484512908) PERFECT	1	0
			-0.3 to 0.3			
				CORRECT: [X] Symmetry Found: ((x1)-(x2)) -> (err = 0.005978021234848252)	1	0
	x0 * (x1 - x2)**2 + x3 * (x4 - x5)**2	Constant Alphas:	-100 to 100	PARTIAL		
	TRUE SYMMETRIES	- a_alpha: 5 - m_alpha: 2		CORRECT:		
				[X] Symmetry Found: $((x4)-(x5)) \rightarrow (err = 0.0006519901406225603)$		
				FALSE:		
				[X] Symmetry Found: ((x0)-(x1)) -> (err = 0.005166658617538067) [X] Symmetry Found: ((x2)-(x3)) -> (err = 0.008009557812272527)		
				MISSING:		
				[X] Symmetry Found: ((x1)-(x2))	1	1 2

			-50 to 50	PARTIAL		
				CORRECT: [X] Symmetry Found: ((x4)-(x5)) -> (err = 0.001112782423710712)		
				[A] Symmetry Pound. ((A4)-(X3)) ~ (eff = 0.001112702423710712) FALSE:		
				[X] Symmetry Found: $((x0)-(x1)) \rightarrow (err = 0.019109296377963103)$ [X] Symmetry Found: $((x2)-(x3)) \rightarrow (err = 0.021783375926681003)$		
				MISSING:		
				[X] Symmetry Found: ((x1)-(x2))	1	2
			-10 to 10	PERFECT		
				CORRECT: [X] Symmetry Found: $((x1)-(x2)) \rightarrow (err = 0.006349973054349367)$		
				[X] Symmetry Found: ((x4)-(x5)) -> (err = 0.004425531583548303) INCORRECT	2	2 0
				MISSING:		
			-1 to 1	[X] Symmetry Found: ((x1)-(x2)) [X] Symmetry Found: ((x4)-(x5))	C	0
			-0.5 to 0.5	INCORRECT		
3	3			MISSING:		
				[X] Symmetry Found: ((x1)-(x2)) [X] Symmetry Found: ((x4)-(x5))	C	0
		Adaptive by column	-100 to 100	PARTIAL		
				CORRECT: [X] Symmetry Found: ((x1)-(x2)) -> (err = 0.03148864975054999)		
				FALSE:		
				[X] Symmetry Found: $((x3)^*(x4)) \rightarrow (err = 0.03539058568141695)$		
				MISSING: [X] Symmetry Found: ((x4)-(x5))	1	1
			-50 to 50	PERFECT		
				CORRECT: [X] Symmetry Found: ((x1)-(x2)) -> (err = 0.02767603183820122)		
			-10 to 10	[X] Symmetry Found: ((x4)-(x5)) -> (err = 0.016587194684949957) PERFECT	2	2 0
			-10 to 10	CORRECT:		
				[X] Symmetry Found: $((x1)-(x2)) \rightarrow (err = 0.009906494649501663)$ [X] Symmetry Found: $((x4)-(x5)) \rightarrow (err = 0.010439277712770645)$	2	2 0
				PERFECT		0
				CORRECT:		
			-1 to 1	[X] Symmetry Found: $((x1)-(x2)) \rightarrow (err = 0.0007100187430252314)$ [X] Symmetry Found: $((x4)-(x5)) \rightarrow (err = 0.001512830554261435)$	2	2 0
			-0.5 to 0.5	PERFECT		
				CORRECT: $[X]$ Symmetry Found: $((x1)-(x2)) \rightarrow (err = 0.0006893459229856402)$		
	(-0 -1**2) * -2**2	Country Alvinos	100 +- 100	[X] Symmetry Found: ((x4)-(x5)) -> (err = 0.0006105249053344197) INCORRECT	2	2 0
	(x0-x1**2) * x2**3 FAKE SYMMETRIES	Constant Alphas: - a_alpha: 5 - m_alpha: 2	-100 to 100	FALSE:		
	LAKE STWINETKIES	- III_aipiia. 2		[X] Symmetry Found: $((x0)-(x1)) \rightarrow (err = 0.013701790709972683)$	C	1
			-50 to 50	PERFECT		
			-10 to 10	No symmetries found PERFECT	C	0
			10 10 10	No symmetries found	(0
				10 symmetries found		, 0

				PERFECT		
			-1 to 1	No symmetries found	C	0
			-0.5 to 0.5	PERFECT		
	4			No symmetries found	(0
4	4	Adaptive by column	-100 to 100	PERFECT		, 0
		raaptive by column	100 to 100			
				No symmetries found	C	0
			-50 to 50	PERFECT		
				No symmetries found	C	0
			-10 to 10	PERFECT		
				No symmetries found	c	0
				PERFECT		, 0
			-1 to 1	No symmetries found	C	0
			-0.5 to 0.5	PERFECT		
				No symmetries found	C	0
	(x0*x1) - (x2*x3)	Constant Alphas:	-100 to 100	INCORRECT		
	TRUE SYMMETRIES	- a_alpha: 5		FALSE:		
	TRUE SYMMETRIES	- m_alpha: 2		FALSE: [X] Symmetry Found: $((x0)-(x1)) \Rightarrow (err = 0.004375229393929536)$		
				[X] Symmetry Found: $((x2)-(x3)) \rightarrow (err = 0.004186616634556883)$		
				MISSING:		
				[X] Symmetry Found: ((x0)*(x1))		
				[X] Symmetry Found: ((x2)*(x3)) [X] Symmetry Found: (((x0)*(x1))-((x2)*(x3)))	(2
			-50 to 50	INCORRECT		2
			30 10 30			
				FALSE: $[X]$ Symmetry Found: $((x0)-(x1)) \rightarrow (err = 0.021685690066432062)$		
				[X] Symmetry Found: $((x0)-(x1)) = (e1 = 0.02108309000432002)$ [X] Symmetry Found: $((x2)-(x3)) = (err = 0.024182865344863247)$		
				Monnio		
				MISSING: [X] Symmetry Found: ((x0)*(x1))		
				[X] Symmetry Found: $((x2)*(x3))$		
				[X] Symmetry Found: $(((x0)^*(x1))-((x2)^*(x3)))$	C) 2
			-10 to 10	PERFECT		
				CORRECT:		
				[X] Symmetry Found: $((x0)^*(x1)) > (err = 0.014931601062250444)$ [X] Symmetry Found: $((x2)^*(x3)) > (err = 0.01726492787079048)$		
				[X] Symmetry Found: $((x2)^{2}(x3))^{-2}$ (eff = 0.01/20492/8/0/9048) [X] Symmetry Found: $(((x0)^{2}(x1))^{2}(x2)^{2}(x3))^{-2}$ (eff = 2.1697846486201655e-07)	3	3 0
				PARTIAL		
				CORRECT:		
				[X] Symmetry Found: $((x0)^*(x1))$ -> (err = 0.006866660200393393)		
				[X] Symmetry Found: $((x2)*(x3)) \rightarrow (err = 0.007592186608872287)$		
				MISSING:		
			-1 to 1	[X] Symmetry Found: $(((x0)*(x1))-((x2)*(x3)))$	2	2 0
			-0.5 to 0.5	PARTIAL		
	5			CORRECT:		
				[X] Symmetry Found: $((x0)*(x1)) \rightarrow (err = 0.007159317122129916)$		
				[X] Symmetry Found: $((x_2)^*(x_3)) \rightarrow (err = 0.005546864780809124)$		
				MISSING:		
				[X] Symmetry Found: (((x0)*(x1))-((x2)*(x3)))	2	2 0

	Adaptive by column	-100 to 100	INCORRECT		
			MISSING:	1	
			[X] Symmetry Found: ((x0)*(x1)) [X] Symmetry Found: ((x2)*(x3))		
			[X] Symmetry Found: ((x2)*(x3)) [X] Symmetry Found: (((x0)*(x1))-((x2)*(x3)))	0	0
		-50 to 50	INCORRECT		
			MISSING:		
			[X] Symmetry Found: ((x0)*(x1)) [X] Symmetry Found: ((x2)*(x3))		
			[X] Symmetry Found: $((x2)^*(x3))$ [X] Symmetry Found: $(((x0)^*(x1)) - ((x2)^*(x3)))$	0	0
		-10 to 10	PERFECT		
			CORRECT:	ı	
			[X] Symmetry Found: $((x0)*(x1)) -> (err = 0.002905150614727292)$ [X] Symmetry Found: $((x2)*(x3)) -> (err = 0.003681759438253218)$		
			[X] Symmetry Found: $((X2)^*(X3)) \rightarrow (X1 - 0.003001757302252210)$ [X] Symmetry Found: $(((X0)^*(X1)) - ((X2)^*(X3))) \rightarrow (err = 1.2671354152615777e-06)$	3	0
			PERFECT		
			CORRECT:		
			[X] Symmetry Found: $((x0)*(x1)) -> (err = 0.002553059294648108)$ [X] Symmetry Found: $((x2)*(x3)) -> (err = 0.0032619437772480886)$		
		-1 to 1	[X] Symmetry Found: $((X2)^*(X3)) \Rightarrow (X1 - 0.00320174377124000007)$ [X] Symmetry Found: $(((X0)^*(X1)) - ((X2)^*(X3))) \Rightarrow (err = 5.4755048070731505e-05)$	3	0
		-0.5 to 0.5	PERFECT	ı	
			CORRECT:		
			[X] Symmetry Found: $((x0)*(x1)) -> (err = 0.0030707200553867775)$ [X] Symmetry Found: $((x2)*(x3)) -> (err = 0.002394837147254081)$	ı	
			[X] Symmetry Found: $(((x0)*(x1))-((x2)*(x3))) \rightarrow (err = 0.00011401502055441437)$	3	0
(x0 - x1)*(x2 - x3)	Constant Alphas: - a_alpha: 5	-100 to 100	PARTIAL		
TRUE SYMMETRIES	- m_alpha: 2		CORRECT:		
			[X] Symmetry Found: $((x0)-(x1)) \rightarrow (err = 0.0008384231606212156)$ [X] Symmetry Found: $((x2)-(x3)) \rightarrow (err = 0.0001159912550364739)$		
			MISSING:		
			[X] Symmetry Found: (((x0)-(x1))*((x2)-(x3)))	2	0
		-50 to 50	PARTIAL	<u> </u>	
			CORRECT:		
			[X] Symmetry Found: $((x0)-(x1)) - (err = 0.0001720785415163517)$ [X] Symmetry Found: $((x2)-(x3)) - (err = 0.0001931121890870191)$		
			MISSING: [X] Symmetry Found: (((x0)-(x1))*((x2)-(x3)))	2	2 0
		-10 to 10	PARTIAL		
			CORRECT:		
			[X] Symmetry Found: $((x0)-(x1)) -> (err = 0.0017668918548879864)$		
			[X] Symmetry Found: $((x2)-(x3)) \rightarrow (err = 0.0022730190103957826)$		
			MISSING: [X] Symmetry Found: (((x0)-(x1))*((x2)-(x3)))	2	. 0
			INCORRECT		
			MISSING:	ı	
			[X] Symmetry Found: ((x0)-(x1))	ı	
		-1 to 1	[X] Symmetry Found: ((x2)-(x3)) [X] Symmetry Found: (((x0)-(x1))*((x2)-(x3)))	0	0
		-0.5 to 0.5	INCORRECT	ľ	
			MISSING:	ı	
			[X] Symmetry Found: ((x0)-(x1))	ı	
			[X] Symmetry Found: ((x2)-(x3)) [X] Symmetry Found: (((x0)-(x1))*((x2)-(x3)))	0	0
6					

, c		Adaptive by column	-100 to 100	INCORRECT		
				MISSING:		
				[X] Symmetry Found: ((x0)-(x1)) [X] Symmetry Found: ((x2)-(x3)) [X] Symmetry Found: (((x0)-(x1))*((x2)-(x3)))	0	0
			-50 to 50	INCORRECT	U	0
				MISSING:		
				[X] Symmetry Found: $((x0)-(x1))$ [X] Symmetry Found: $((x2)-(x3))$		
			-10 to 10	[X] Symmetry Found: (((x0)-(x1))*((x2)-(x3))) PARTIAL	0	0
				CORRECT:		
				[X] Symmetry Found: $((x0)-(x1)) \rightarrow (err = 0.004588850761144125)$ [X] Symmetry Found: $((x2)-(x3)) \rightarrow (err = 0.002230025168201699)$		
				MISSING: [X] Symmetry Found: (((x0)-(x1))*((x2)-(x3)))	2	0
				PARTIAL		
				CORRECT: [X] Symmetry Found: $((x0)-(x1)) \rightarrow (err = 0.0011535527383385036)$ [X] Symmetry Found: $((x2)-(x3)) \rightarrow (err = 0.00066912520058382)$		
				MISSING:		
			-1 to 1 -0.5 to 0.5	[X] Symmetry Found: (((x0)-(x1))*((x2)-(x3))) PARTIAL	2	0
				CORRECT: [X] Symmetry Found: $((x0)-(x1)) \rightarrow (err = 0.0011637682304671548)$ [X] Symmetry Found: $((x2)-(x3)) \rightarrow (err = 0.0008549106773731996)$		
				MISSING:		
	(x0 - x1)*(x2 - x3)*(x4 - x5)	Constant Alphas:	-100 to 100	[X] Symmetry Found: (((x0)-(x1))*((x2)-(x3))) PARTIAL	2	0
	TRUE SYMMETRIES	- a_alpha: 5 - m_alpha: 2		CORRECT: [X] Symmetry Found: $((x0)-(x1)) \rightarrow (err = 0.00025180853258099933)$ [X] Symmetry Found: $((x2)-(x3)) \rightarrow (err = -0.0005667428069153768)$ [X] Symmetry Found: $((x4)-(x5)) \rightarrow (err = 0.001779910008628427)$		
				MISSING: [X] Symmetry Found: (((x0)-(x1))*((x2)-(x3))) [X] Symmetry Found: (((x4)-(x5))*(((x0)-(x1))*((x2)-(x3))))	3	0
			-50 to 50	PARTIAL		
				CORRECT: [X] Symmetry Found: $((x0)-(x1)) \rightarrow (err = 0.0029085635165959633)$ [X] Symmetry Found: $((x2)-(x3)) \rightarrow (err = 0.0014450739957659886)$ [X] Symmetry Found: $((x4)-(x5)) \rightarrow (err = 0.0019012314012633036)$		
				FALSE: [X] Symmetry Found: $(((x0)-(x1))-((x2)-(x3))) \rightarrow (err = 0.025360712923110706)$		
				MISSING: [X] Symmetry Found: (((x0)-(x1))*((x2)-(x3))) [X] Symmetry Found: (((x4)-(x5))*(((x0)-(x1))*((x2)-(x3))))	3	1
			-10 to 10	PARTIAL		
				CORRECT: [X] Symmetry Found: $((x0)-(x1)) \rightarrow (err = 0.007877404354170059)$ [X] Symmetry Found: $((x2)-(x3)) \rightarrow (err = 0.00809400575969721)$ [X] Symmetry Found: $((x4)-(x5)) \rightarrow (err = 0.006447245356699383)$		
				MISSING: [V] Summetry Found: (((v0) (v1))*((v2) (v2)))		
				[X] Symmetry Found: (((x0)-(x1))*((x2)-(x3))) [X] Symmetry Found: (((x4)-(x5))*(((x0)-(x1))*((x2)-(x3))))	3	0

		INCORRECT		
	-1 to 1 -0.5 to 0.5	MISSING: [X] Symmetry Found: ((x0)-(x1)) [X] Symmetry Found: ((x2)-(x3)) [X] Symmetry Found: ((x4)-(x5)) [X] Symmetry Found: (((x0)-(x1))*((x2)-(x3))) [X] Symmetry Found: (((x4)-(x5))*(((x0)-(x1))*((x2)-(x3)))) INCORRECT	0	0
7	-0.3 to 0.3	MISSING: [X] Symmetry Found: ((x0)-(x1)) [X] Symmetry Found: ((x2)-(x3)) [X] Symmetry Found: ((x4)-(x5)) [X] Symmetry Found: (((x0)-(x1))*((x2)-(x3))) [X] Symmetry Found: (((x4)-(x5))*(((x0)-(x1))*((x2)-(x3))))	0	0
Adaptive by coli	-100 to 100	INCORRECT MISSING: [X] Symmetry Found: ((x0)-(x1)) [X] Symmetry Found: ((x2)-(x3)) [X] Symmetry Found: ((x4)-(x5)) [X] Symmetry Found: (((x0)-(x1))*((x2)-(x3)))		
	-50 to 50	[X] Symmetry Found: (((x4)-(x5))*(((x0)-(x1))*((x2)-(x3)))) INCORRECT	0	0
		MISSING: [X] Symmetry Found: ((x0)-(x1)) [X] Symmetry Found: ((x2)-(x3)) [X] Symmetry Found: ((x4)-(x5)) [X] Symmetry Found: ((x0)-(x1))*((x2)-(x3))) [X] Symmetry Found: (((x4)-(x5))*((x0)-(x1))*((x2)-(x3))))	0	0
	-10 to 10	PARTIAL CORRECT: [X] Symmetry Found: ((x0)-(x1)) -> (err = 0.01438692115723661) [X] Symmetry Found: ((x2)-(x3)) -> (err = 0.016030224194407028) [X] Symmetry Found: ((x4)-(x5)) -> (err = 0.017656028486707553) MISSING:		
		[X] Symmetry Found: (((x0)-(x1))*((x2)-(x3))) [X] Symmetry Found: (((x4)-(x5))*(((x0)-(x1))*((x2)-(x3))))	3	0
	-1 to 1	PERFECT CORRECT: [X] Symmetry Found: $((x0)-(x1)) \rightarrow (err = 0.0014643983547137918)$ [X] Symmetry Found: $((x2)-(x3)) \rightarrow (err = 0.0023601046290858685)$ [X] Symmetry Found: $((x4)-(x5)) \rightarrow (err = 0.0023601046290858685)$ [X] Symmetry Found: $(((x4)-(x5)) \rightarrow (err = 0.018474828137121646)$ [X] Symmetry Found: $(((x0)-(x1))^*((x2)-(x3))) \rightarrow (err = 0.01992550254435037)$ [X] Symmetry Found: $(((x4)-(x5))^*((x0)-(x1))^*((x2)-(x3))) \rightarrow (err = 0.01157072644144952)$	5	0
	-0.5 to 0.5	PARTIAL CORRECT: [X] Symmetry Found: ((x0)-(x1)) -> (err = 0.0028883669398279688) [X] Symmetry Found: ((x2)-(x3)) -> (err = 0.001216742325464315) [X] Symmetry Found: ((x4)-(x5)) -> (err = 0.002170690944837572)		
		MISSING: [X] Symmetry Found: (((x0)-(x1))*((x2)-(x3))) [X] Symmetry Found: (((x4)-(x5))*(((x0)-(x1))*((x2)-(x3))))	3	0

x0*x1 - x2*(x3 + x4)	Constant Alphas: - a_alpha: 5	-100 to 100	INCORRECT		
TRUE SYMMETRIES	- m_alpha: 2		FALSE: [X] Symmetry Found: $((x0)-(x1)) \rightarrow (err = 0.0033450973780898563)$ [X] Symmetry Found: $((x2)-(x3)) \rightarrow (err = 0.003066517217537701)$		
			MISSING: [X] Symmetry Found: ((x0)*(x1))		
			[X] Symmetry Found: ((x3)+(x4)) [X] Symmetry Found: ((x2)*((x3)+(x4))) [X] Symmetry Found: (((x0)*(x1))-((x2)*((x3)+(x4)))	(2
		-50 to 50	INCORRECT		
			FALSE: [X] Symmetry Found: $((x0)-(x1)) \rightarrow (err = 0.01906650338864968)$ [X] Symmetry Found: $((x2)-(x3)) \rightarrow (err = 0.020984919522028078)$		
			MISSING: [X] Symmetry Found: ((x0)*(x1))		
			[X] Symmetry Found: ((x3)+(x4)) [X] Symmetry Found: ((x2)*((x3)+(x4))) [X] Symmetry Found: (((x0)*(x1)+(x2)*((x3)+(x4)))	(2
		-10 to 10	PERFECT		
			CORRECT: [X] Symmetry Found: ((x0)*(x1)) -> (err = 0.01080160360004101) [X] Symmetry Found: ((x3)+(x4)) -> (err = 0.0015544455200185991) [X] Symmetry Found: ((x2)*((x3)+(x4))) -> (err = 0.012921399997343097)		
			[X] Symmetry Found: $(((x0)*(x1))-((x2)*((x3)+(x4)))) \rightarrow (err = 9.063938488651502e-08)$ PARTIAL	2	4 0
			CORRECT: [X] Symmetry Found: ((x0)*(x1)) -> (err = 0.0024363907596607337)		
		-1 to 1	MISSING: [X] Symmetry Found: ((x3)+(x4)) [X] Symmetry Found: ((x2)*((x3)+(x4))) [X] Symmetry Found: ((x2)*((x3)+(x4)))		1 0
		-0.5 to 0.5	[X] Symmetry Found: (((x0)*(x1))-((x2)*((x3)+(x4))) PARTIAL		0
8			CORRECT: [X] Symmetry Found: ((x0)*(x1)) -> (err = 0.005048383978240256)		
			MISSING: [X] Symmetry Found: (((x3)+(x4))) [X] Symmetry Found: (((x2)*((x3)+(x4)))) [X] Symmetry Found: (((x0)*(x1)-((x2)*((x3)+(x4))))		1 0
	Adaptive by column	-100 to 100	PARTIAL		
			CORRECT: [X] Symmetry Found: $((x0)^*(x1)) \rightarrow (err = 0.035439850734505396)$		
			MISSING: [X] Symmetry Found: ((x3)+(x4)) [X] Symmetry Found: ((x2)*((x3)+(x4))) [X] Symmetry Found: (((x0)*(x1)-((x2)*((x3)+(x4)))		1 0
		-50 to 50	INCORRECT MISCIPICS		
			MISSING: [X] Symmetry Found: ((x0)*(x1)) [X] Symmetry Found: ((x3)+(x4)) [X] Symmetry Found: ((x2)*((x3)+(x4)))		
			[X] Symmetry Found: $((x2)^*((x3)^*(x4)))$ [X] Symmetry Found: $(((x0)^*(x1))^*((x2)^*((x3)^*(x4)))$	(0

		-10 to 10	PERFECT		
			CORRECT:		
			[X] Symmetry Found: $((x0)*(x1)) > (err = 0.0035324220568806464)$		
			[X] Symmetry Found: $((x3)+(x4)) \rightarrow (err = 0.0034536611403006567)$ [X] Symmetry Found: $((x2)*((x3)+(x4))) \rightarrow (err = 0.012921399997343097)$		
			[X] Symmetry Found: $(((x0)*(x1))-((x2)*((x3)+(x4)))) \rightarrow (err = 9.063938488651502e-08)$	4	0
			PERFECT		
			CORRECT:		
			[X] Symmetry Found: $((x0)^*(x1)) \rightarrow (err = 0.0007406767402375891)$		
			[X] Symmetry Found: $((x3)+(x4)) > (err = 0.0005876952599708218)$ [X] Symmetry Found: $((x2)*((x3)+(x4))) > (err = 0.012921399997343097)$		
		-1 to 1	[X] Symmetry Found: $(((x0)*(x1))-((x2)*((x3)+(x4)))) \rightarrow (err = 9.063938488651502e-08)$	4	0
		-0.5 to 0.5	PERFECT		
			CORRECT:		
			[X] Symmetry Found: $((x0)*(x1)) -> (err = 0.0007075276856732815)$ [X] Symmetry Found: $((x3)+(x4)) -> (err = 0.0005190117547416717)$		
			[X] Symmetry Found: $((x3)+(x4)) \Rightarrow (etr = 0.0003190117347410717)$ [X] Symmetry Found: $((x2)*((x3)+(x4))) \Rightarrow (etr = 0.012921399997343097)$		
			[X] Symmetry Found: $(((x0)*(x1))-((x2)*((x3)+(x4)))) \rightarrow (err = 9.063938488651502e-08)$	4	0
(x0 - x1 + 5)**2	Constant Alphas: - a alpha: 5	-100 to 100	PERFECT		
TRUE SYMMETRII			CORRECT:		
		50 . 50	[X] Symmetry Found: $((x0)-(x1)) \rightarrow (err = 2.317398642148749e-05)$	1	0
		-50 to 50	PERFECT		
			CORRECT:		
		10 +- 10	[X] Symmetry Found: ((x0)-(x1)) -> (err = 0.00035036930267373645) PERFECT	1	0
		-10 to 10	PERFECT		
			CORRECT: (4.0) (-1)) > (0.005(21500(20202(01)))	,	0
			[X] Symmetry Found: ((x0)-(x1)) -> (err = 0.005621590620392691) INCORRECT	1	0
			MISSING: [X] Symmetry Found: ((x0)*(x1))		
			[X] Symmetry Found: ((x3)+(x4))		
		-1 to 1	[X] Symmetry Found: ((x2)*((x3)+(x4))) [X] Symmetry Found: (((x0)*(x1))-((x2)*((x3)+(x4))))	0	0
		-0.5 to 0.5	INCORRECT	V	0

			MISSING: [X] Symmetry Found: ((x0)*(x1))		
			[X] Symmetry Found: ((x3)+(x4))		
			[X] Symmetry Found: ((x2)*((x3)+(x4))) [X] Symmetry Found: (((x0)*(x1))-((x2)*((x3)+(x4))))	0	0
9	Adaptive by column	-100 to 100	PERFECT	· ·	
			CORRECT:		
			[X] Symmetry Found: $((x0)-(x1)) \rightarrow (err = 0.023123166674517193)$	1	0
		-50 to 50	PERFECT		
			CORRECT:		
			[X] Symmetry Found: $((x0)-(x1)) \rightarrow (err = 0.024822882107659705)$	1	0
		-10 to 10	PERFECT		
			CORRECT:		
			[X] Symmetry Found: $((x0)-(x1)) \rightarrow (err = 0.006635673025090716)$	1	0
			INCORRECT		
			MISSING:		
			[X] Symmetry Found: ((x0)*(x1)) [X] Symmetry Found: ((x3)+(x4))		
			[X] Symmetry Found: $((x2)*((x3)+(x4)))$		
		-1 to 1	[X] Symmetry Found: $(((x0)^*(x1))-((x2)^*((x3)+(x4))))$	0	0

			-0.5 to 0.5	INCORRECT		
				MISSING:		
				[X] Symmetry Found: $((x0)^*(x1))$		
				[X] Symmetry Found: ((x3)+(x4)) [X] Symmetry Found: ((x2)*((x3)+(x4)))		
				[X] Symmetry Found: $(((x0)*(x1))-((x2)*((x3)+(x4))))$	(0
	(x0 - x1 + 5)**2 + (x2 - x3 - 10)**2	Constant Alphas: - a alpha: 5	-100 to 100	PERFECT		
	TRUE SYMMETRIES	- m_alpha: 2		CORRECT:		
				[X] Symmetry Found: $((x0)-(x1)) > (err = 4.8346813595556704e-05)$ [X] Symmetry Found: $((x2)-(x3)) > (err = 7.722039108415402e-05)$	2	2 0
			-50 to 50	PERFECT	-	0
				CORRECT:		
				[X] Symmetry Found: $((x0)-(x1)) \rightarrow (err = 0.00020585046170640275)$		
			10 / 10	[X] Symmetry Found: $((x2)-(x3)) \rightarrow (err = 0.00011426468382924604)$	2	2 0
			-10 to 10	PERFECT		
				CORRECT: [X] Symmetry Found: $((x0)-(x1)) \rightarrow (err = 0.0009775320553108147)$		
				[X] Symmetry Found: $((x0)-(x1)) > (err = 0.00057/352035310147)$ [X] Symmetry Found: $((x2)-(x3)) > (err = 0.0006728695200821644)$	2	2 0
				INCORRECT		
				MISSING:		
			1 4- 1	[X] Symmetry Found: ((x0)-(x1))	(0
			-1 to 1 -0.5 to 0.5	[X] Symmetry Found: ((x2)-(x3)) INCORRECT	,	0
			0.5 to 0.5			
				MISSING: [X] Symmetry Found: ((x0)-(x1))		
10				[X] Symmetry Found: ((x2)-(x3))	(0
'		Adaptive by column	-100 to 100	PERFECT		
				CORRECT:		
				[X] Symmetry Found: $((x0)-(x1)) > (err = 0.014266660085401006)$ [X] Symmetry Found: $((x2)-(x3)) > (err = 0.012480464219954523)$	2	2 0
			-50 to 50	PERFECT		
				CORRECT:		
				[X] Symmetry Found: $((x0)-(x1)) -> (err = 0.013248652033305497)$		
			-10 to 10	[X] Symmetry Found: ((x2)-(x3)) -> (err = 0.0089725871421521) PERFECT	2	2 0
			-10 to 10			
				CORRECT: $[X]$ Symmetry Found: $((x0)-(x1)) \rightarrow (err = 0.0026099946599499324)$		
				[X] Symmetry Found: $((x2)-(x3)) > (err = 0.0012635086616540336)$	2	2 0
				PERFECT		
				CORRECT:		
			-1 to 1	[X] Symmetry Found: $((x0)-(x1)) > (err = 0.0026099946599499324)$ [X] Symmetry Found: $((x2)-(x3)) > (err = 0.0012635086616540336)$	2	2 0
			-0.5 to 0.5	PERFECT		
				CORRECT:		
				[X] Symmetry Found: $((x0)-(x1)) -> (err = 0.0026099946599499324)$		
	0**2 + 2*1*(22)	Country t Alaban	100 +- 100	[X] Symmetry Found: $((x2)-(x3)) > (err = 0.0012635086616540336)$	2	2 0
	x0**2 + 2*x1*(x2-x3)	Constant Alphas: - a_alpha: 5	-100 to 100	PARTIAL		
	PHYSICS - TRUE SYMMETRIES	- m_alpha: 2		CORRECT: [X] Symmetry Found: $((x2)-(x3)) \rightarrow (err = 1.6762058005270752e-05)$		
	$vf^2 = vi^2 + 2a(\Delta x)$					
				FALSE: [X] Symmetry Found: $((x0)-(x1)) \rightarrow (err = 0.00957180598463725)$		
				MISSING: [X] Symmetry Found: ((x1)*((x2)-(x3)))	1	1

			-50 to 50	INCORRECT		
			-30 to 30			
				FALSE: [X] Symmetry Found: $((x0)-(x2)) \rightarrow (err = 0.02647892896970061)$		
				MISSING: [X] Symmetry Found: ((x2)-(x3))		
				[X] Symmetry Found: ((x1)*((x2)-(x3)))	(1
			-10 to 10	PARTIAL		
				CORRECT: [X] Symmetry Found: $((x2)-(x3)) \rightarrow (err = 0.0040010292636473155)$		
				MISSING:		
				[X] Symmetry Found: ((x1)*((x2)-(x3))) INCORRECT	1	1 0
				MISSING: [X] Symmetry Found: ((x2)-(x3))		
			-1 to 1	[X] Symmetry Found: ((x1)*((x2)-(x3)))	(0
1	1		-0.5 to 0.5	INCORRECT		
				MISSING:		
				[X] Symmetry Found: ((x2)-(x3)) [X] Symmetry Found: ((x1)*((x2)-(x3)))	(0
		Adaptive by column	-100 to 100	PARTIAL PARTIAL		
				CORRECT:		
				[X] Symmetry Found: $((x2)-(x3)) \rightarrow (err = 0.007733589130265783)$		
				MISSING:		
				[X] Symmetry Found: ((x1)*((x2)-(x3)))	1	1 0
			-50 to 50	PERFECT		
				CORRECT:		
				[X] Symmetry Found: $((x2)-(x3)) \rightarrow (err = 0.006014395710193909)$ [X] Symmetry Found: $((x1)^*((x2)-(x3))) \rightarrow (err = 0.01064572074584813)$	2	2 0
			-10 to 10	PERFECT		
				CORRECT:		
				[X] Symmetry Found: $((x2)\cdot(x3)) \rightarrow (err = 0.00478044584879278)$ [X] Symmetry Found: $((x1)^*((x2)\cdot(x3))) \rightarrow (err = 0.009909772977650388)$	2	2 0
				[X] symmetry Found: $((x1)^n((x2)-(x3))) \rightarrow (err = 0.0099097/2977050388)$ PERFECT	- 4	0
				CORRECT: $[X]$ Symmetry Found: $((x2)-(x3)) \rightarrow (err = 0.0016364381816914575)$		
			-1 to 1	[X] Symmetry Found: $((x1)*((x2)-(x3))) \rightarrow (err = 0.004048413223665559)$	2	2 0
			-0.5 to 0.5	PERFECT		
				CORRECT: $[X]$ Symmetry Found: $((x2)-(x3)) \rightarrow (err = 0.0014490571704159905)$		
				[X] Symmetry Found: $((x2)-(x3)) \rightarrow (err = 0.0014490371704139903)$ [X] Symmetry Found: $((x1)^*((x2)-(x3))) \rightarrow (err = 0.004444821081199923)$	2	2 0
	x0 * x1 * (x2 - x3)	Constant Alphas: - a alpha: 5	-100 to 100	PARTIAL		
	PHYSICS - TRUE SYMMETRIES	- a_aipha: 3 - m_alpha: 2		CORRECT:		
	$\Delta U = mg\Delta h$			[X] Symmetry Found: $((x2)-(x3)) \rightarrow (err = 0.00025158978417061384)$		
	- 5			FALSE: [X] Symmetry Found: $((x0)-(x1)) \rightarrow (err = 0.016968247005879844)$		
				MISSING:		
				[X] Symmetry Found: $((x0)*(x1))$ [X] Symmetry Found: $(((x0)*(x1))*((x2)-(x3)))$	1	1
				[-1,5]		

1	1
	1
	1
	1
	1
	1
	0
1	
0	0
0	
0	0
0	0
0	0
1	0
2	0
2	0
	2

sin(x0*x1)	Constant Alphas: - a_alpha: 5	-100 to 100	INCORRECT		
PHYSICS - TRUE SYMMETRIES	- m_alpha: 2		MISSING:		
$A = \sin(\omega t)$		-50 to 50	[X] Symmetry Found: ((x0)*(x1)) INCORRECT	0	C
			MISSING:		
			[X] Symmetry Found: ((x0)*(x1))	0	0
		-10 to 10	INCORRECT		
			MISSING:		
			[X] Symmetry Found: ((x0)*(x1)) INCORRECT	0	· ·
			MISSING:		
		-1 to 1	[X] Symmetry Found: ((x0)*(x1))	0	C
		-0.5 to 0.5	INCORRECT		
			MISSING:	0	
13	Adaptive by column	-100 to 100	[X] Symmetry Found: ((x0)*(x1)) INCORRECT	0	· ·
			MISSING:		
			[X] Symmetry Found: ((x0)*(x1))	0	C
		-50 to 50	INCORRECT		
			MISSING:		
		-10 to 10	[X] Symmetry Found: ((x0)*(x1)) INCORRECT	0	C
			MISSING:		
			[X] Symmetry Found: ((x0)*(x1))	0	0
			PERFECT		
		-1 to 1	CORRECT: [X] Symmetry Found: $((x0)^*(x1)) \rightarrow (err = 0.012697512874536021)$,	0
		-0.5 to 0.5	PERFECT	1	
			CORRECT:		
			[X] Symmetry Found: $((x0)*(x1)) > (err = 0.017892991148388937)$	1	C
0.5*x0*(x1**2 - x2**2)	Constant Alphas: - a alpha: 5	-100 to 100	INCORRECT		
PHYSICS - FAKE SYMMETRIES	- a_alpha: 5 - m_alpha: 2		FALSE: [X] Symmetry Found: $((x0)-(x1)) \rightarrow (err = 0.018804216159643783)$	0	1
$\Delta KE = 0.5m(vf^2 - vi^2)$		-50 to 50	PERFECT	V	
			CORRECT:		
			No symmetries found	0	0
		-10 to 10	PERFECT		
			CORRECT: No symmetries found	0	0
			PERFECT		
			CORRECT:		
		-1 to 1 -0.5 to 0.5	No symmetries found	0	0
		-0.5 to 0.5	PERFECT		
			CORRECT: No symmetries found	0	0
14	Adaptive by column	-100 to 100	PERFECT		
			CORRECT:		
			No symmetries found	0	0

			-50 to 50	PERFECT			
			50 to 50	CORRECT:			
				No symmetries found	C	0	0
			-10 to 10	PERFECT			
				CORRECT: No symmetries found	(2	0
				PERFECT			-
				CORRECT:			
			-1 to 1 -0.5 to 0.5	No symmetries found PERFECT	0	0	0
			-0.3 to 0.3				
				CORRECT: No symmetries found	(0	0
	(x0 - x1) + x1**2 + x2	Constant Alphas: - a_alpha: 5	-100 to 100	INCORRECT			
	TRUE SYMMETRIES	- m_alpha: 2		FALSE: [X] Symmetry Found: $((x0)+(x1)) \rightarrow (err = 0.035831003652037396)$			
				MISSING: [X] Symmetry Found: ((x0)+(x2))	C	0	1
			-50 to 50	INCORRECT			
				FALSE: $[X]$ Symmetry Found: $((x0)-(x2)) > (err = 0.00022909204454568677)$			
				MISSING:			
				[X] Symmetry Found: ((x0)+(x2))	C	0	1
			-10 to 10	PERFECT			
				CORRECT: [X] Symmetry Found: $((x0)+(x2)) \rightarrow (err = 0.0010364973374694664)$	1	1	0
				INCORRECT			
				MISSING:			
			-1 to 1 -0.5 to 0.5	[X] Symmetry Found: ((x0)+(x2)) INCORRECT	C	0	0
			0.5 to 0.5	MISSING:			
15				[X] Symmetry Found: $((x0)+(x2))$	(0	0
10		Adaptive by column	-100 to 100	INCORRECT			
				FALSE: $[X]$ Symmetry Found: $((x0)-(x2)) > (err = 0.006489872593555268)$			
				MISSING:			
				[X] Symmetry Found: ((x0)+(x2))	C	0	1
			-50 to 50	INCORRECT			
				FALSE: [X] Symmetry Found: $((x0)-(x2)) > (err = 0.005905247104403877)$			
				MISSING:			
				[X] Symmetry Found: $((x0)+(x2))$	C	0	1
			-10 to 10	PERFECT			
				CORRECT: [X] Symmetry Found: $((x0)+(x2)) \rightarrow (err = 0.0027675512742497688)$	1	1	0
				PERFECT			
			14-1	CORRECT:	.		
			-1 to 1	[X] Symmetry Found: $((x0)+(x2)) \rightarrow (err = 0.0005931819231106417)$	<u> </u>	1	0

			-0.5 to 0.5	PERFECT		
			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
				CORRECT: [X] Symmetry Found: $((x0)+(x2)) \rightarrow (err = 0.0007387503821031371)$	1	0
	x0*(x1 - x2)	Constant Alphas:	-100 to 100	INCORRECT		
	TRUE SYMMETRIES	- a_alpha: 5 - m_alpha: 2		FALSE:		
				[X] Symmetry Found: $((x0)-(x1)) \rightarrow (err = 0.010911326733329396)$		
				MISSING:		
				[X] Symmetry Found: ((x1)-(x2))	0	,
			-50 to 50	[X] Symmetry Found: ((x0)*((x1)-(x2))) INCORRECT	0	1
				FALSE: [X] Symmetry Found: $((x0)+(x1)) > (err = 0.031004224616896336)$		
				MISSING:		
				[X] Symmetry Found: ((x1)-(x2))		
			10 +- 10	[X] Symmetry Found: ((x0)*((x1)-(x2))) PARTIAL	0	1
			-10 to 10			
				CORRECT: [X] Symmetry Found: $((x1)-(x2)) \rightarrow (err = 0.004419963418492379)$		
				MISSING: [X] Symmetry Found: ((x0)*((x1)-(x2)))	1	0
	16			INCORRECT		
				MISSING:		
			14-1	[X] Symmetry Found: ((x1)-(x2))	0	
			-1 to 1 -0.5 to 0.5	[X] Symmetry Found: ((x0)*((x1)-(x2))) INCORRECT	0	0
16		0.5 to 0.5				
				MISSING: [X] Symmetry Found: ((x1)-(x2))		
				[X] Symmetry Found: ((x0)*((x1)-(x2)))	0	0
		Adaptive by column	-100 to 100	INCORRECT		
				MISSING:		
				[X] Symmetry Found: ((x1)-(x2)) [X] Symmetry Found: ((x0)*((x1)-(x2)))	0	0
			-50 to 50	PERFECT		
				CORRECT:		
				[X] Symmetry Found: $((x1)-(x2)) \rightarrow (err = 0.0032596329637222254)$ [X] Symmetry Found: $((x0)^*((x1)-(x2))) \rightarrow (err = 0.008352397311296111)$	2	0
			-10 to 10	PERFECT		· ·
				CORRECT:		
				[X] Symmetry Found: $((x1)-(x2)) \rightarrow (err = 0.003148867085934093)$		
				[X] Symmetry Found: $((x0)*((x1)-(x2))) \rightarrow (err = 0.013221395383019585)$	2	0
				PERFECT		
				CORRECT: [X] Symmetry Found: $((x1)-(x2)) \rightarrow (err = 0.002179950029203459)$		
			-1 to 1	[X] Symmetry Found: $((x1)-(x2)) > (err = 0.00217950025205435)$ [X] Symmetry Found: $((x0)*((x1)-(x2))) > (err = 0.007861873547710951)$	2	0
			-0.5 to 0.5	PERFECT		
				CORRECT:		
				[X] Symmetry Found: $((x1)-(x2)) \rightarrow (err = 0.0016777605754975111)$ [X] Symmetry Found: $((x0)^*((x1)-(x2))) \rightarrow (err = 0.009417925522741899)$	2	0
				(3)		

x0 + x0**2 + x1 - x2	Constant Alphas: - a_alpha: 5	-100 to 100	INCORRECT		
TRUE SYMMETRIES	- m_alpha: 2		FALSE:		
			[X] Symmetry Found: $((x0)-(x1)) \Rightarrow (err = 0.03459270531961556)$		
			MISSING: [X] Symmetry Found: ((x1)-(x2))	0	
		-50 to 50	PERFECT		
			CORRECT:		
		-10 to 10	[X] Symmetry Found: ((x1)-(x2)) -> (err = 3.688451414118887e-05) PERFECT	1	
			CORRECT:		
			[X] Symmetry Found: $((x1)-(x2)) \rightarrow (err = 0.0010199512749472506)$	1	
			INCORRECT		
		-1 to 1	MISSING: [X] Symmetry Found: ((x1)-(x2))	0	
		-0.5 to 0.5	INCORRECT		
17			MISSING:		
	Adaptive by column	-100 to 100	[X] Symmetry Found: ((x1)-(x2)) PERFECT	0	
	reaptive by column	100 to 100	CORRECT:		
			[X] Symmetry Found: $((x1)-(x2)) \rightarrow (err = 0.00822384941209009)$	1	
		-50 to 50	PERFECT		
			CORRECT: [X] Symmetry Found: $((x1)-(x2)) \rightarrow (err = 0.004659880057254373)$	1	
		-10 to 10	PERFECT		
			CORRECT:		
			[X] Symmetry Found: ((x1)-(x2)) -> (err = 0.0020663673839489416) PERFECT	1	
			CORRECT:		
		-1 to 1	[X] Symmetry Found: $((x1)-(x2)) \rightarrow (err = 0.0009186814425594658)$	1	
		-0.5 to 0.5	PERFECT		
			CORRECT: [X] Symmetry Found: $((x1)-(x2)) \rightarrow (err = 0.00039208371403920417)$	1	
x0*(x0-x1-5)	Constant Alphas:	-100 to 100	INCORRECT	·	
FAKE SYMMETRIES	- a_alpha: 5 - m_alpha: 2		FALSE:		
		-50 to 50	[X] Symmetry Found: ((x0)-(x1)) -> (err = 0.008112192173037713) INCORRECT	0	
		-50 to 50	FALSE:		
			FALSE: [X] Symmetry Found: $((x0)-(x1)) \rightarrow (err = 0.03170101761401023)$	0	
		-10 to 10	PERFECT		
			CORRECT: No symmetries found	0	
			PERFECT		
			CORRECT:		
		-1 to 1 -0.5 to 0.5	No symmetries found	0	
		-0.5 to 0.5	PERFECT		
18			CORRECT: No symmetries found	0	

alpha

18	Adaptive by column	-100 to 100	PERFECT		
			CORRECT: No symmetries found	0	0
		-50 to 50	PERFECT		
			CORRECT: No symmetries found	0	0
		-10 to 10	PERFECT		
			CORRECT: No symmetries found	0	0
			PERFECT		
		-1 to 1	CORRECT: No symmetries found	0	0
		-0.5 to 0.5	PERFECT		
			CORRECT: No symmetries found	0	0

