

Error	Method	new_fisher			
		u RMSE	u_t RMSE	u_x RMSE	u_{xx} RMSE
$\sigma = 00$	FD	0.00e+00	7.59e-04	1.48e-06	2.65e-03
$\sigma = 00$	LCVSP	5.37e-05	3.75e-03	6.24e-04	2.13e-01
$\sigma = 00$	LNCVSP	1.77e-06	3.25e-02	2.88e-02	1.46e+00
$\sigma = 00$	ANN	1.50e-01	9.00e+02	4.49e+01	3.20e+02
$\sigma = 01$	FD	1.01e-04	4.99e+03	9.25e+04	2.66e+07
$\sigma = 01$	LCVSP	6.17e-05	6.31e+02	5.76e+03	4.43e+05
$\sigma = 01$	LNCVSP	8.11e-06	6.45e+02	5.74e+03	4.45e+05
$\sigma = 01$	ANN	1.42e-01	1.99e+03	1.31e+01	8.97e+01
$\sigma = 05$	FD	2.46e-03	1.23e+05	1.56e+06	8.71e+08
$\sigma = 05$	LCVSP	1.98e-04	1.06e+04	3.88e+04	4.14e+05
$\sigma = 05$	LNCVSP	1.33e-04	1.09e+04	3.99e+04	4.00e+05
$\sigma = 05$	ANN	1.49e-01	2.03e+03	1.07e+00	9.76e+00
$\sigma = 10$	FD	1.01e-02	8.86e+05	6.95e+06	2.27e+09
$\sigma = 10$	LCVSP	6.57e-04	2.08e+04	1.31e+05	1.16e+07
$\sigma = 10$	LNCVSP	5.31e-04	2.08e+04	1.30e+05	1.06e+07
$\sigma = 10$	ANN	4.40e-02	1.59e+02	5.69e+02	4.18e+03
$\sigma = 25$	FD	6.16e-02	3.87e+06	4.09e+07	2.01e+10
$\sigma = 25$	LCVSP	3.95e-03	1.40e+05	1.86e+06	1.80e+07
$\sigma = 25$	LNCVSP	3.34e-03	1.45e+05	2.23e+06	2.34e+07
$\sigma = 25$	ANN	8.72e-02	1.72e+02	1.13e+02	1.18e+03
$\sigma = 50$	FD	2.45e-01	8.55e+06	5.94e+07	3.76e+09
$\sigma = 50$	LCVSP	1.68e-02	8.90e+05	1.05e+06	3.10e+07
$\sigma = 50$	LNCVSP	1.60e-02	1.01e+06	1.12e+06	3.75e+07
$\sigma = 50$	ANN	3.57e-01	3.42e+02	9.33e+01	1.13e+02

Table 2: New fisher table with new parameter values.