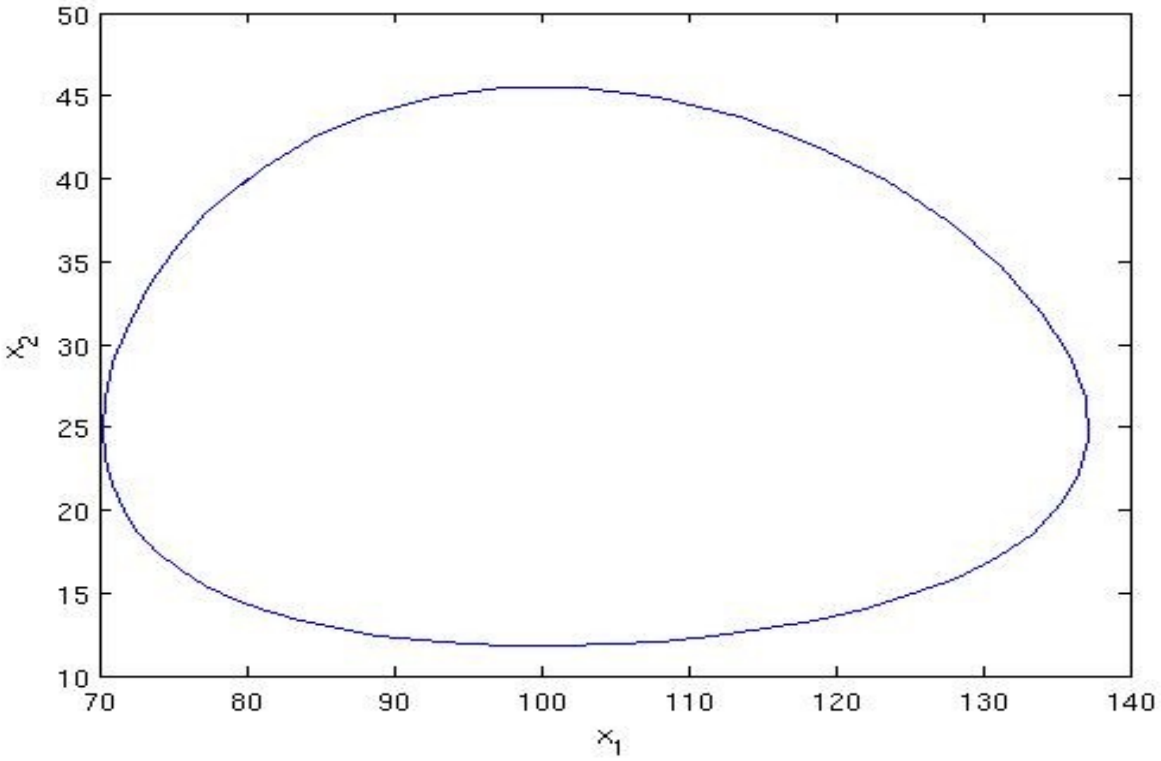
Stephen Cartwright
sdc5193



Adams at h = .25 adams_rk(@predprey, 0, 13, [80, 40], .25)

Columns 1 through 13

80.0000 77.2542 75.0045 73.2267 71.7806 70.8269 70.3831 70.2367 70.4168 70.8987 71.6634 72.6930 73.9724
40.0000 37.9148 35.7148 33.4736 30.8941 28.8455 26.7987 24.8815 23.1010 21.4658 19.9775 18.6343 17.4316

Columns 14 through 26

75.4881 77.2284 79.1825 81.3405 83.6931 86.2306 88.9432 91.8200 94.8486 98.0147 101.3013 104.6880 108.1500
16.3637 15.4239 14.6053 13.9015 13.3065 12.8151 12.4231 12.1275 11.9267 11.8205 11.8101 11.8986 12.0910

Columns 27 through 39

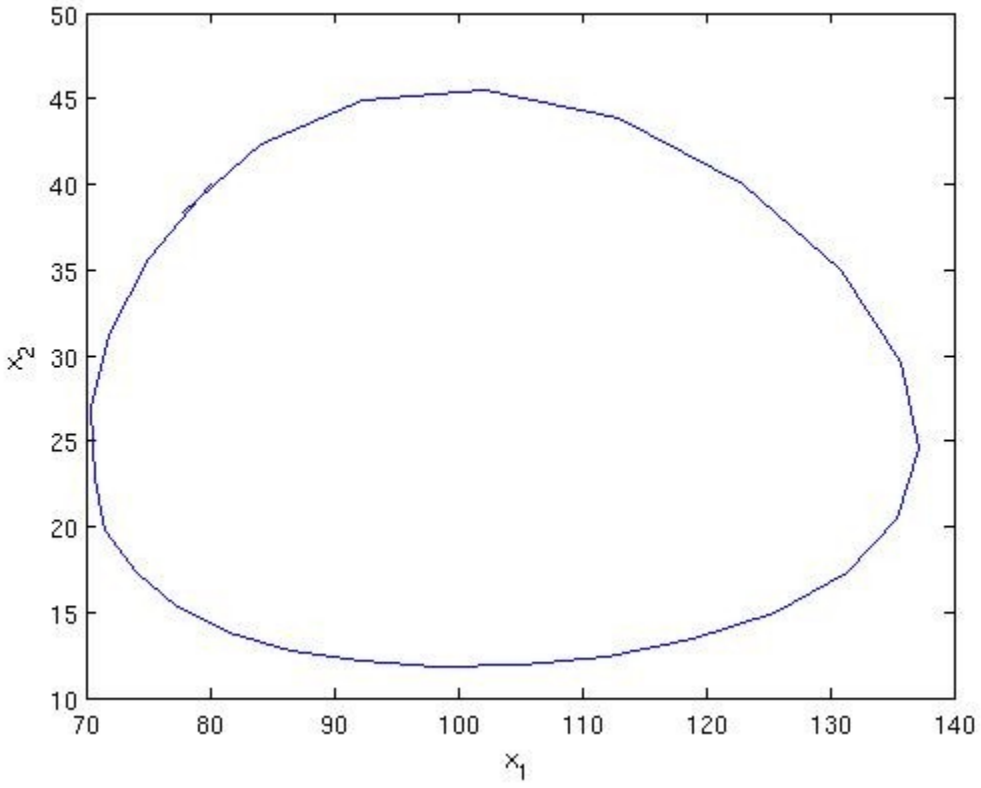
111.6576 115.1746 118.6577 122.0554 125.3067 128.3407 131.0766 133.4239 135.2850 136.5589 137.1467 136.9605 135.9335
12.3940 12.8168 13.3706 14.0690 14.9276 15.9638 17.1958 18.6413 20.3153 22.2270 24.3757 26.7460 29.3026

Columns 40 through 52

134.0314 131.2626 127.6852 123.4080 118.5837 113.3959 108.0403 102.7062 97.5600 92.7351 88.3276 84.3980 80.9762
31.9865 34.7127 37.3732 39.8435 41.9952 43.7109 44.8992 45.5057 45.5185 44.9660 43.9096 42.4330 40.6309

Column 53

78.0679
38.5987



Adams at h = .50 adams_rk(@predprey, 0, 13, [80, 40], .50)

Columns 1 through 12

80.0000 75.0046 71.8918 70.4288 70.7794 71.5362 74.1265 77.4084 81.5651 86.4868

92.1047 98.3219
40.0000 35.7148 31.2515 27.0377 22.8266 19.8143 17.3250 15.3473 13.8473 12.7808 12.1117 11.8228

Columns 13 through 24

105.0098 111.9829 118.9706 125.5848 131.2904 135.3993 137.1255 135.7536 130.9308 122.9702 112.9211 102.2525
11.9200 12.4368 13.4385 15.0260 17.3305 20.4905 24.5894 29.5401 34.9431 40.0282 43.8224 45.5355

Columns 25 through 27

92.3332 84.0619 77.8069
44.9142 42.3042 38.4107

We can see the difference in the smoothness with the interval changes.. I looked at using only the rk4 method and they too were of similar shape when the curve changed.