F-7 f(x) = p1\*x^9 + p2\*x^8 + p3\*x^7 + p4\*x^6 +

p5\*x^5 + p6\*x^4 + p7\*x^3 + p8\*x^2 + p9\*x + p10

p1 = -0.3679 (-0.4545, -0.2812)

p2 = -1.735 (-2.087, -1.383)

p3 = -1.176 (-1.451, -0.902)

p4 = 4.778 (3.634, 5.922)

p5 = 5.915 (4.941, 6.889)

p6 = -3.563 (-4.945, -2.182)

p7 = -5.581 (-6.547, -4.614)

p8 = 1.532 (0.8769, 2.187)

p9 = 4.13 (3.844, 4.416)

p10 = 126.8

F-6 Linear model Poly9:

f(x) = p1\*x^9 + p2\*x^8 + p3\*x^7 + p4\*x^6 + p5\*x^5 + p6\*x^4 + p7\*x^3 + p8\*x^2 + p9\*x + p10

where x is normalized by mean 30.36 and std 2.263

Coefficients (with 95% confidence bounds):

p1 = 0.0004578 (-0.0116, 0.01252)

p2 = 0.004713 (-0.006444, 0.01587)

p3 = 0.06087 (-0.0127, 0.1344)

p4 = -0.07402 (-0.1336, -0.01443)

p5 = -0.244 (-0.3962, -0.09183)

p6 = 0.3078 (0.2058, 0.4098)

p7 = -0.0009365 (-0.123, 0.1211)

p8 = -0.3358 (-0.3958, -0.2759)

p9 = -0.2319 (-0.263, -0.2009)

p10 = 123.2 (123.2, 123.2)

F-5

General model Fourier8:

f(x) =

a0 + a1\*cos(x\*w) + b1\*sin(x\*w) +

a2\*cos(2\*x\*w) + b2\*sin(2\*x\*w) + a3\*cos(3\*x\*w) + b3\*sin(3\*x\*w) +

a4\*cos(4\*x\*w) + b4\*sin(4\*x\*w) + a5\*cos(5\*x\*w) + b5\*sin(5\*x\*w) +

a6\*cos(6\*x\*w) + b6\*sin(6\*x\*w) + a7\*cos(7\*x\*w) + b7\*sin(7\*x\*w) +

a8\*cos(8\*x\*w) + b8\*sin(8\*x\*w)

Coefficients (with 95% confidence bounds):

a0 = 124.7 (124.3, 125.1)

a1 = -0.6768 (-1.033, -0.3209)

b1 = 0.2408 (-1.784, 2.266)

a2 = -0.09649 (-2.064, 1.871)

b2 = -0.2594 (-0.393, -0.1257)

a3 = 0.06922 (-1.549, 1.687)

b3 = -0.1776 (-1.42, 1.065)

a4 = 0.2514 (0.1216, 0.3812)

b4 = -0.03607 (-3.893, 3.821)

a5 = 0.1224 (-0.6389, 0.8836)

b5 = 0.02728 (-2.115, 2.17)

a6 = 0.02466 (-1.91, 1.96)

b6 = 0.08431 (-0.2801, 0.4488)

a7 = -0.0399 (-0.9789, 0.8991)

b7 = 0.03739 (-1.119, 1.194)

a8 = -0.03774 (-0.8848, 0.8093)

b8 = 0.02918 (-1.132, 1.191)

w = 1.134 (1.031, 1.236)

F-4

Linear model Poly9:

f(x) = p1\*x^9 + p2\*x^8 + p3\*x^7 + p4\*x^6 +

p5\*x^5 + p6\*x^4 + p7\*x^3 + p8\*x^2 + p9\*x + p10

where x is normalized by mean 27.86 and std 2.205

Coefficients (with 95% confidence bounds):

p1 = 0.2238 (0.1876, 0.26)

p2 = 0.4351 (0.3825, 0.4876)

p3 = -1.082 (-1.274, -0.8904)

p4 = -2.298 (-2.533, -2.062)

p5 = 1.477 (1.111, 1.843)

p6 = 3.957 (3.614, 4.301)

p7 = 0.06335 (-0.2239, 0.3506)

p8 = -2.079 (-2.258, -1.9)

p9 = 0.5079 (0.432, 0.5838)

p10 = 127.4 (127.4, 127.5)

F-1

General model Fourier8:

f(x) =

a0 + a1\*cos(x\*w) + b1\*sin(x\*w) +

a2\*cos(2\*x\*w) + b2\*sin(2\*x\*w) + a3\*cos(3\*x\*w) + b3\*sin(3\*x\*w) +

a4\*cos(4\*x\*w) + b4\*sin(4\*x\*w) + a5\*cos(5\*x\*w) + b5\*sin(5\*x\*w) +

a6\*cos(6\*x\*w) + b6\*sin(6\*x\*w) + a7\*cos(7\*x\*w) + b7\*sin(7\*x\*w) +

a8\*cos(8\*x\*w) + b8\*sin(8\*x\*w)

Coefficients (with 95% confidence bounds):

a0 = 115.4 (106.1, 124.8)

a1 = 8.208 (4.11, 12.31)

b1 = -12.8 (-36.17, 10.58)

a2 = 7.616 (-21.98, 37.21)

b2 = 11.11 (8.062, 14.15)

a3 = -11.47 (-19.07, -3.864)

b3 = 1.857 (-31.81, 35.52)

a4 = 2.229 (-28.2, 32.66)

b4 = -8.985 (-25.82, 7.854)

a5 = 5.249 (-17.16, 27.66)

b5 = 4.009 (-16.39, 24.41)

a6 = -2.971 (-12.54, 6.6)

b6 = 2.222 (-15.14, 19.59)

a7 = -0.3185 (-11.03, 10.39)

b7 = -1.708 (-2.641, -0.7737)

a8 = 0.6938 (-0.6137, 2.001)

b8 = 0.1514 (-4.665, 4.968)

w = 0.6036 (0.5737, 0.6335)