Pressure Comparison

X=5

f(x,y) = k\*(exp(-((x-2.889)^2+(y+0.036455)^2)/R^2))\*(1-((x-2.889)^2+(y+0.036455)

^2)/R^2) +c

Coefficients (with 95% confidence bounds):

R = 0.5069 (0.505, 0.5089)

c = -0.0009097 (-0.0009214, -0.000898)

k = -0.004726 (-0.004746, -0.004707)

x=10

f(x,y) = k\*(exp(-((x-2.8355)^2+(y+0.042095)^2)/R^2))\*(1-((x-2.8355)^2+(y+

0.042095)^2)/R^2) +c

Coefficients (with 95% confidence bounds):

R = 0.4853 (0.4841, 0.4865)

c = -0.0009356 (-0.0009434, -0.0009277)

k = -0.004951 (-0.004965, -0.004937)

x=15

General model:

f(x,y) = k\*(exp(-((x-2.8355)^2+(y+0.042095)^2)/R^2))\*(1-((x-2.8355)^2+(y+

0.042095)^2)/R^2) +c

Coefficients (with 95% confidence bounds):

R = 0.4853 (0.4841, 0.4865)

c = -0.0009356 (-0.0009434, -0.0009277)

k = -0.004951 (-0.004965, -0.004937)

x=20

f(x,y) = k\*(exp(-((x-2.7705)^2+(y+0.09604)^2)/R^2))\*(1-((x-2.7705)^2+(y+

0.09604)^2)/R^2) +c

Coefficients (with 95% confidence bounds):

R = 0.6543 (0.6526, 0.656)

c = -0.0005803 (-0.0005854, -0.0005752)

k = -0.002958 (-0.002966, -0.002949)

x=25

f(x,y) = k\*(exp(-((x-2.7525)^2+(y+0.12882)^2)/R^2))\*(1-((x-2.7525)^2+(y+

0.12882)^2)/R^2) +c

Coefficients (with 95% confidence bounds):

R = 0.7351 (0.7329, 0.7372)

c = -0.0004402 (-0.0004449, -0.0004354)

k = -0.002522 (-0.00253, -0.002514)