X-vorticity comparision

RE=1000

VORT5

General model:  
 f(x,y) = (a/b^2)\* exp(-((x-2.8915)^2+(y+0.03034)^2)/b^2)

Coefficients (with 95% confidence bounds):  
  
             a = 0.04017 (0.04005, 0.04028)  
             b = 0.1619 (0.1615, 0.1623)

VORT10

General model:

f(x,y) = (a/b^2)\* exp(-((x-2.834)^2+(y+0.034425)^2)/b^2)

Coefficients (with 95% confidence bounds):

a = 0.0438 (0.04369, 0.04391)

b = 0.2271 (0.2267, 0.2275)

VORT15

General model:

f(x,y) = (a/b^2)\* exp(-((x-2.798)^2+(y+0.05823)^2)/b^2)

Coefficients (with 95% confidence bounds):

a = 0.04591 (0.04579, 0.04603)

b = 0.277 (0.2765, 0.2775)

VORT20

General model:

f(x,y) = (a/b^2)\* exp(-((x-2.7685)^2+(y+0.08635)^2)/b^2)

Coefficients (with 95% confidence bounds):

a = 0.04729 (0.04715, 0.04743)

b = -0.3181 (-0.3187, -0.3174)

VORT25

General model:

f(x,y) = (a/b^2)\* exp(-((x-2.741)^2+(y+0.1155)^2)/b^2)

Coefficients (with 95% confidence bounds):

a = 0.04822 (0.04804, 0.04839)

b = -0.3537 (-0.3547, -0.3528)

k\*(expint(-x^2/r^2)-k\*expint(-2\*x^2/r^2))/

((x-2.889)^2+(y+0.036455)^2)

(k\*(real(expint(-((x-2.889)^2+(y+0.036455)^2)/r^2)))-(k\*real(expint(-2\*((x-2.889)^2+(y+0.036455)^2)/r^2))))/r^2

+(k\*exp(-((x-2.889)^2+(y+0.036455)^2)/r^2)/((x-2.889)^2+(y+0.036455)^2))

-((k/(2\*((x-2.889)^2+(y+0.036455)^2)))\*(exp(-2\*((x-2.889)^2+(y+0.036455)^2)/r^2)+1))

+b\*sqrt((x-2.889)^2+(y+0.036455)^2)+c

f(x,y) = (k\*(real(expint(-((x-2.889)^2+(y+0.036455)^2)/r^2)))-(k\*real(expint(-

2\*((x-2.889)^2+(y+0.036455)^2)/r^2))))/r^2 +(k\*exp(-

((x-2.889)^2+(y+0.036455)^2)/r^2)/((x-2.889)^2+(y+0.036455)

^2)) -(k/(2\*((x-2.889)^2+(y+0.036455)^2))\*(exp(-2\*((x-

2.889)^2+(y+0.036455)^2)/r^2)+1)) +b\*sqrt((x-2.889)

^2+(y+0.036455)^2)+c