plot[sin[sqrt[x^2 + y^2]], {x, 0, 10}, {y, 0, 10}]

Examples Random

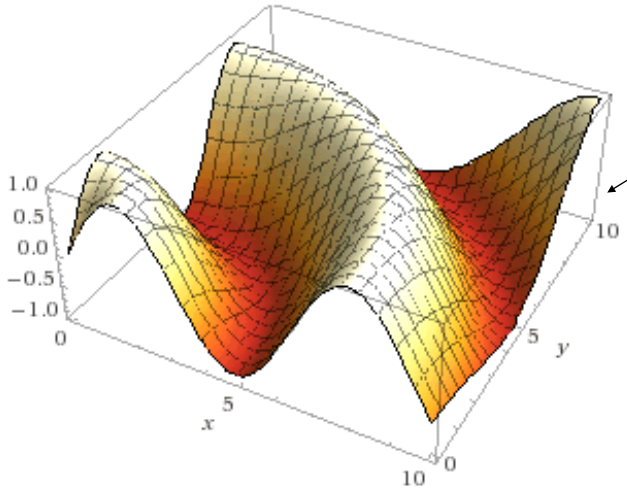
Input interpretation:

plot	$\sin\left(\sqrt{x^2 + y^2}\right)$	$x = 0$ to 10
		$y = 0$ to 10

STAN Toy Problem:
hierarchical GP fitting
and posterior realization in 2D

3D plot:

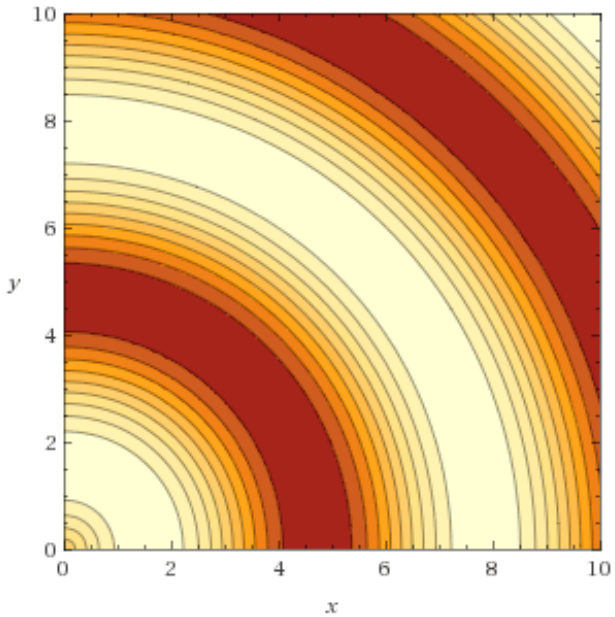
Show contour lines



- pick 100 (*x*,*y*) points in this space from uniform distribution
- compute associated z values via z = sin(sqrt(*x*^2 + *y*^2))
- pick 20 random (x,y) points and try to infer associated z values by modeling known and unknown z values jointly as a gaussian process in STAN
- 2 hyperparameters: x and y length scales (left floating)

Enable interactivity

Contour plot:



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