

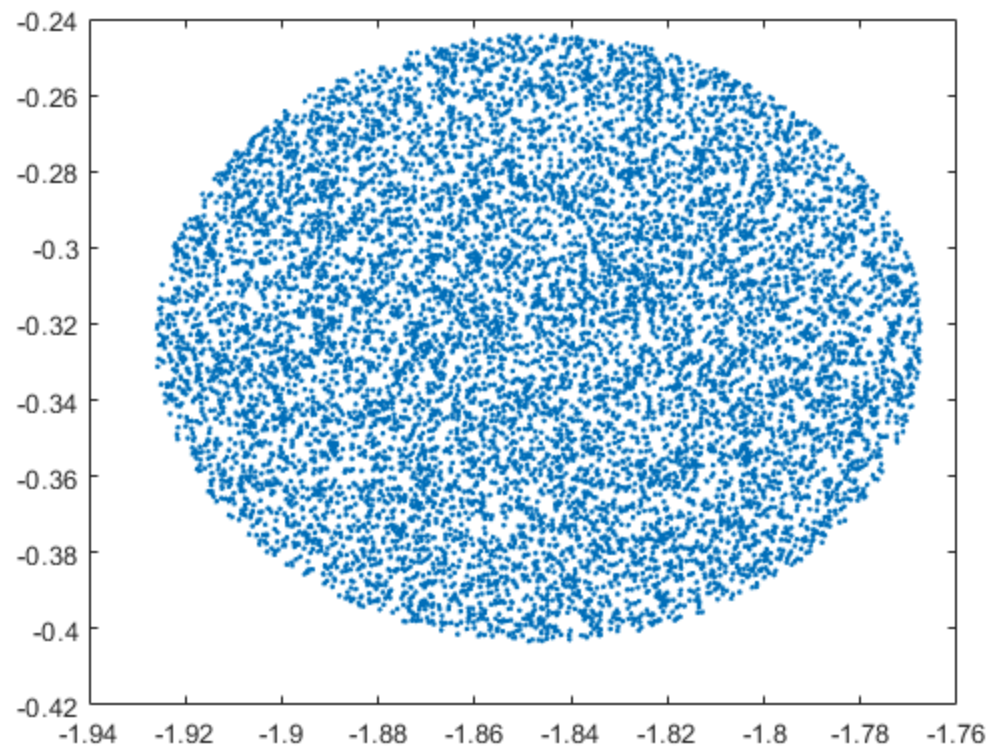
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```
% Data
n = 10000;
radius = rand;
xc = randn;
yc = randn;

% Engine
theta = rand(1,n)*(2*pi);
r = sqrt(rand(1,n))*radius;
x = xc + r.*cos(theta);
y = yc + r.*sin(theta);

% Check
plot(x,y, 'b.')

% Bruno
```



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