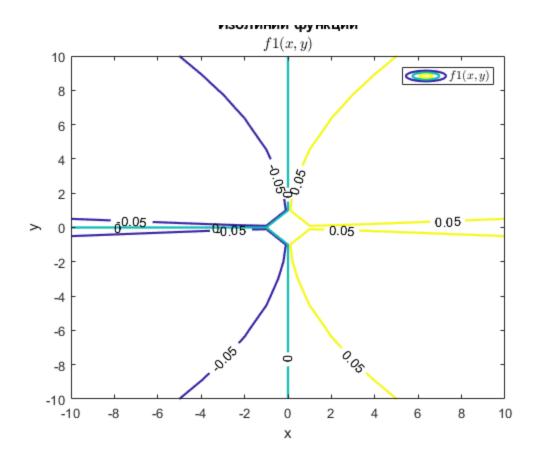
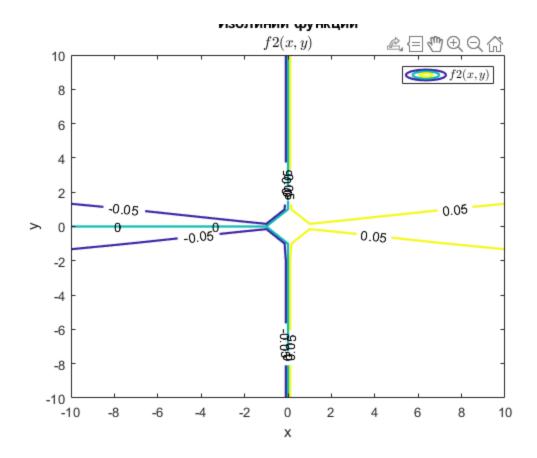
```
x = -10:1:10;
y = -10:1:10;
F1 = zeros(length(x), length(y));
F2 = zeros(length(x), length(y));
count1 = 1;
% #######
for k=x
   count2 = 1;
   for t=y
      F1(count1, count2) = f1(k,t);
      F2(count1, count2) = f2(k,t);
      count2 = count2 + 1;
   count1 = count1 + 1;
end
figure(1);
contour(x,y,F1,[-0.05 0 0.05], 'ShowText','on', 'LineWidth', 1.6);
xlabel('x');
ylabel('y');
legend('$f1(x,y)$', 'Interpreter', 'latex');
title('####### ######', '$f1(x,y)$', 'Interpreter', 'latex');
% ##### ###### ###### ###########
figure(2);
contour(x,y,F2,[-0.05 0 0.05], 'ShowText','on', 'LineWidth', 1.6);
xlabel('x');
ylabel('y');
legend('$f2(x,y)$', 'Interpreter', 'latex');
title('##############','$f2(x,y)$', 'Interpreter', 'latex');
% ###### ###### #######
function root = f1(x, y)
   if(x^2 + y^2) > 0
      root = x^2*y/(x^4 + y^2);
   else
      root = 0;
   end
end
function root = f2(x, y)
   if x \sim= 0
      root = \exp(-1/x^2)*y/(\exp(-2/x^2)+y^2);
   else
      root = 0;
   end
end
```

Warning: Error updating Text.





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