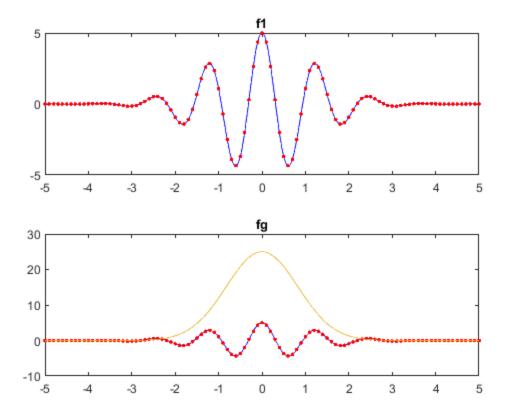
```
clc, clear, close;
syms A \times a \times b \times 1;
% ####### ######
f1 = A*exp(-x^2/a^2 + 1i*b*x);
% ### ######. #####
f2 = A*exp(-x1^2/a^2)*cos(b*x1);
gauss = (A*exp(-x^2/a^2)*cos(b*x))^2 + (A*exp(-x^2/a^2)*sin(b*x))^2;
###### # ############
A = 5;
x = -5:0.01:5;
x1 = -5:0.1:5;
b = 2 * pi * 4 / 5;
a = sqrt(2 * (7 / 6)^2);
y1 = subs(f1);
y2 = subs(f2);
yg = subs(gauss);
##########
nexttile
plot(x, y1, 'b', x1, y2, 'r.');
title('f1')
nexttile
plot(x, y1, 'b', x1, y2, 'r.', x, yg);
title('fg')
datetime(clock)
Warning: Imaginary parts of complex X and/or Y arguments ignored.
Warning: Imaginary parts of complex X and/or Y arguments ignored.
ans =
  datetime
```

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