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function [h] = gaussfilter(dimensions,sigma)
    %center row, column is found by:
    %divide dimensions by 2, round up

    m=ceil(dimensions/2); %this gives center value

    %initialize 2D array
    h=zeros(dimensions,dimensions);
    %h(i,j) = e^(((i-m)^2+(j-m)^2)/(2sigma^2)))
    summed = 0;
    for (row=1:dimensions)
        for (col=1:dimensions)
            h(row,col) = exp(-(((col-m)^2+(row-m)^2)/(2*sigma^2)));
            summed = summed + h(row,col);
        end
    end
    %normalize!
    h = h/summed;
```

```
    Error using gaussfilter (line 5)
    Not enough input arguments.
```

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