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It means

$$5ystem$$

$$y''+py'+qy=f(t)$$

But what we obtain is L[y] (=
the response in

), that is,

Product rule for inverse Laplace transform and convolution

We've seen "product of functions" in S-domain, generally expressed as We want to know

Q; what's the I's f the product

Q2: What's the operation of fits and gets in t-domain to generate such

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This is called

Def: Convolution of f(t) and g(t)

Remarks:

DWhat is the meaning of "condution of two functions"? The idea of convolution can be

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ex: two discrete functions fem, gen]