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Devices Diffusion Current  
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– exp – 24 3.3 We have  $du_x(x) = -\frac{b}{g} \exp(-jx) + \frac{B}{g} \exp(-jx + kx)$   
The proposed solution is  $u(x) = A \exp(-jx) + B \exp(-jx + kx)$   
The first derivative is  $du_x(x) = -jA \exp(-jx) + (-j + k)B \exp(-jx + kx)$   
and the second derivative becomes  $d^2u_x(x) = -j^2A \exp(-jx) + (-j + k)^2B \exp(-jx + kx)$  ...

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