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$$\frac{dC}{dt} = \frac{\partial}{\partial x} \left(D(x,y,\lambda,\lambda) \right) + \frac{\partial}{\partial y} \left(D(x,y,\lambda,\lambda) \right)$$

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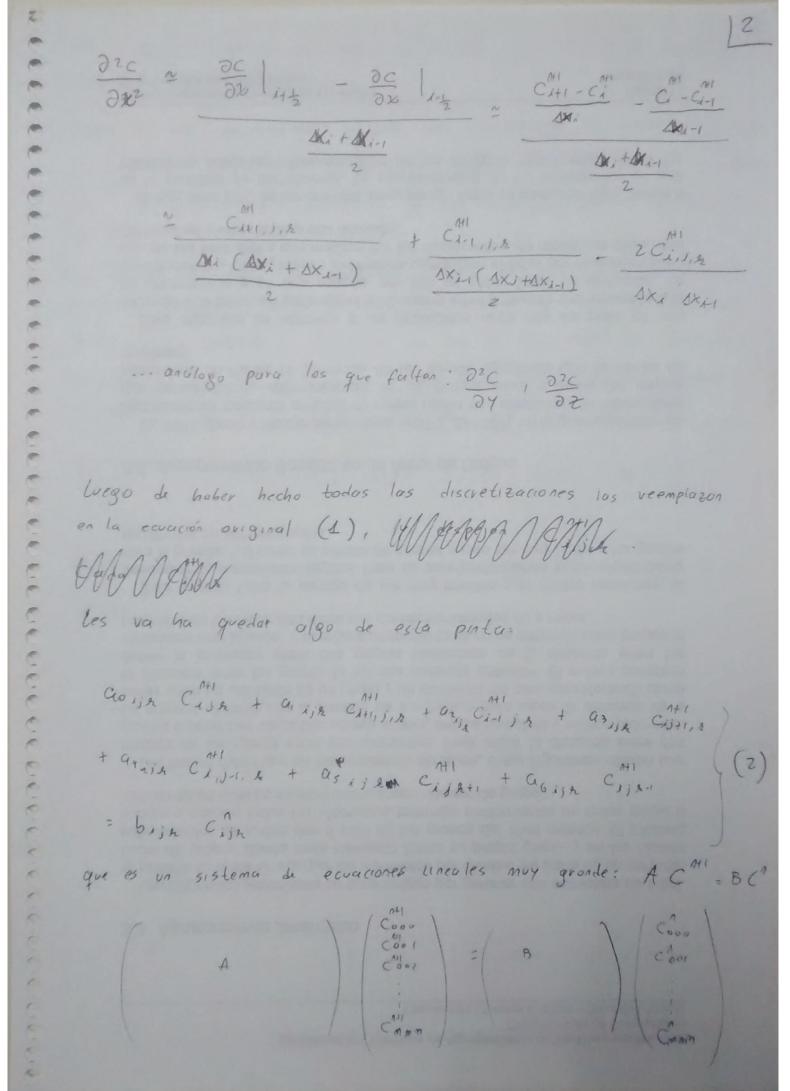
$$\frac{dC}{dt} = \frac{\partial}{\partial x} \left(D(x,y,\lambda,\lambda) \right) + \frac{\partial}{\partial x} \left(D(x,y,\lambda,\lambda) \right)$$

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$$\frac{\partial}{\partial x} = \frac{\partial}{\partial x} \left(D(x,y,\lambda) \right)$$

$$\frac{\partial}$$



Al SE.L. onterior la vames a resolver con un método numerico iterativo sado salde Jocobi Antes de eso necesitamos definir las condiciones de borde e iniciales del problema diferencial. Nuestro dominio discretizado es un cubo de 100 × 100 × 100 nodos (medido en alguna unidad, no importa por ahova) En tedos los nodos del contorno (esto es, los caras del cubo) vamos a establecar una concentración igual a cero (Cija = o Y (i,i,1) + contains) Excepto en una de los roccos en donde 14 concentración será igual a cien (nvevamento no importen los unidates por ahora). En el tiempo inicial (1=0), todo el dominio es 19val a cero (Cija =0, V (ija) ([1.98, 1.98]) Volvindo a Jacobi, adjusto un pseudocódigo 1D genérico de 6 ejenplo. 6 0 6 0 0

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