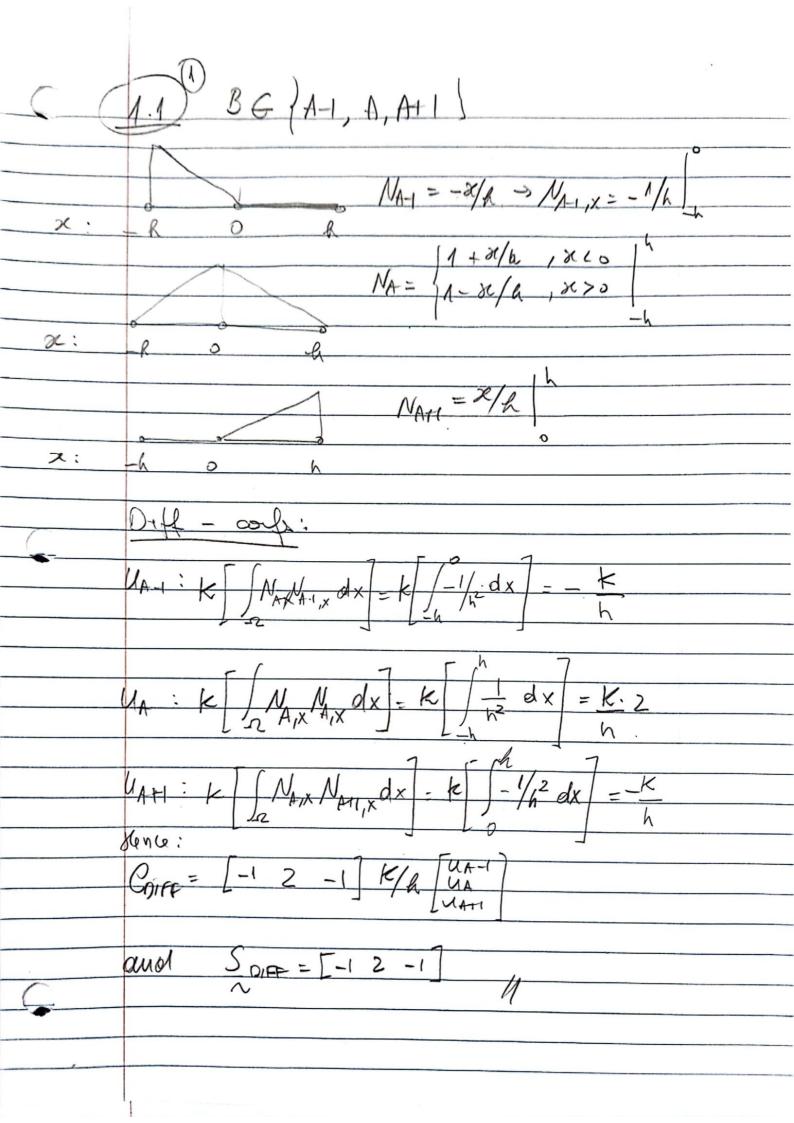
	CSE 297/EM397
	Stobilized and boyo, horal Multisude methods
7	Broats 186: (rep 2656) 02/16/2024
	KOMCWOTK #-1
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Un: -a J NA, NA - dx = -or (+1/h) (-x/h) dx  $= \frac{\alpha}{R^2} \left( \frac{x^2}{z} \right) = \frac{\alpha}{h^2} \left[ 0 - \frac{1^2}{z} \right] = -\alpha/2$ Un: -a (1+ x) dx + a (1-x) dx  $-\frac{a}{b}\left[x+\frac{x^2}{2h}\right] + \frac{a}{b}\left[x-\frac{x^2}{2h}\right] = \frac{a}{b}\left[x+\frac{x^2}{2h}\right] = \frac{a}{b}\left[x+\frac{x^$  $\frac{-\alpha}{k} + \frac{1}{k} - \frac{1}{k} + \frac{\alpha}{k} + \frac{\alpha}{2k} = \frac{1}{2k}$  $\frac{Q \left[ h + h + h - h \right] = 0}{2}$ UAti: -a /NAX NATI dx = +a / (th) 2 dx =  $= \frac{Q}{h^2} \left| \frac{\chi^2}{Z} \right|^{\frac{1}{2}} = \frac{Qh^2}{2h^2} = \frac{Q}{Z}$ dence: CADY = 2 -1 0 1 / WA and SADV = [-101]/

2) = = (da) El/NA, x (au, x - +u, xx - f) dx = + Nox (aux - kuixx) dx = (NAX a NBX - KMX NEXX) dx = ES (NAIX NEX Q) OX UA-1: a NA, XNA-1, x dx = -0/A UA: a NAX NAX dx = a.2 UA+1: a NA, × NAH, × dx = - Q/h

3 K (1+0, 4)[-12-1] + x, [-1 0 1]) [UA-1 UA+1 -0 (1+ 0E) (-UA-1+2UA-UA+1) + X (-UA-1+UA+1)=0 /Um: (1+ 05) (-1+ 200 - UA+1) + 0 (UA+1 - 1) - 0  $\frac{1+\alpha\xi_{1}\times\left(1+\frac{2e}{e^{2\alpha(A-1)}}-\frac{e^{2\alpha(A-1)}}{e^{2\alpha(A-1)}}+\chi\left(\frac{2d(A+1)}{e^{2\alpha(A-1)}}\right)}{e^{2\alpha(A-1)}}$ (1+dq) (-1+2e2x - e4x) + x(e4x-1) = 0 (1+0 E)(e -1) + 0 (ex+1)  $(1+\alpha \zeta) - \alpha (e^{2\alpha}) = 0$ 5 = eca +1 -1/d  $E = coth(\alpha_h) - 1/\alpha_h$ 

$$B = \int_{N_{1}X} \left( (\circ) N_{1}X - \alpha N_{0} \right) dX$$

$$N_{0} = A - \alpha / h$$

$$N_{1} = X / h$$

$$N_{1} = X / h$$

$$N_{1} = X / h$$

$$N_{2} = A - \alpha / h$$

$$N_{3} = A - \alpha / h$$

$$N_{1} = X / h$$

$$N_{1} = X / h$$

$$N_{2} = A - \alpha / h$$

$$N_{3} = A - \alpha / h$$

$$N_{4} = A - \alpha / h$$

$$N_{5} = A - \alpha / h$$

$$N_{1} = A - \alpha / h$$

$$N_{1} = A - \alpha / h$$

$$N_{2} = A - \alpha / h$$

$$N_{3} = A - \alpha / h$$

$$N_{4} = A - \alpha / h$$

$$N_{5} = A - \alpha / h$$

$$N_{7} = A - \alpha / h$$

$$N_{8} = A - \alpha / h$$

$$N_{1} = A - \alpha / h$$

$$N_{2} = A - \alpha / h$$

$$N_{3} = A - \alpha / h$$

$$N_{4} = A - \alpha / h$$

$$N_{5} = A - \alpha / h$$

$$N_{7} = A - \alpha / h$$

$$N_{1} = A - \alpha / h$$

$$N_{1} = A - \alpha / h$$

$$N_{2} = A - \alpha / h$$

$$N_{3} = A - \alpha / h$$

$$N_{4} = A - \alpha / h$$

$$N_{5} = A - \alpha / h$$

$$N_{5} = A - \alpha / h$$

$$N_{7} = A - \alpha / h$$

$$N_{8} = A - \alpha / h$$

$$N_{1} = A - \alpha / h$$

$$N_{1} = A - \alpha / h$$

$$N_{1} = A - \alpha / h$$

$$N_{2} = A - \alpha / h$$

$$N_{3} = A - \alpha / h$$

$$N_{4} = A - \alpha / h$$

$$N_{5} = A - \alpha / h$$

$$N_{7} = A - \alpha / h$$

$$N_{8} = A - \alpha / h$$

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$$N_{2} = A - \alpha / h$$

$$N_{3} = A - \alpha / h$$

$$N_{4} = A - \alpha / h$$

$$N_{5} = A - \alpha / h$$

$$N_{7} = A - \alpha / h$$

$$N_{8} = A - \alpha / h$$

$$N_{1} = A - \alpha / h$$

$$N_{2} = A - \alpha / h$$

$$N_{3} = A - \alpha / h$$

$$N_{4} = A - \alpha / h$$

$$N_{5} = A - \alpha / h$$

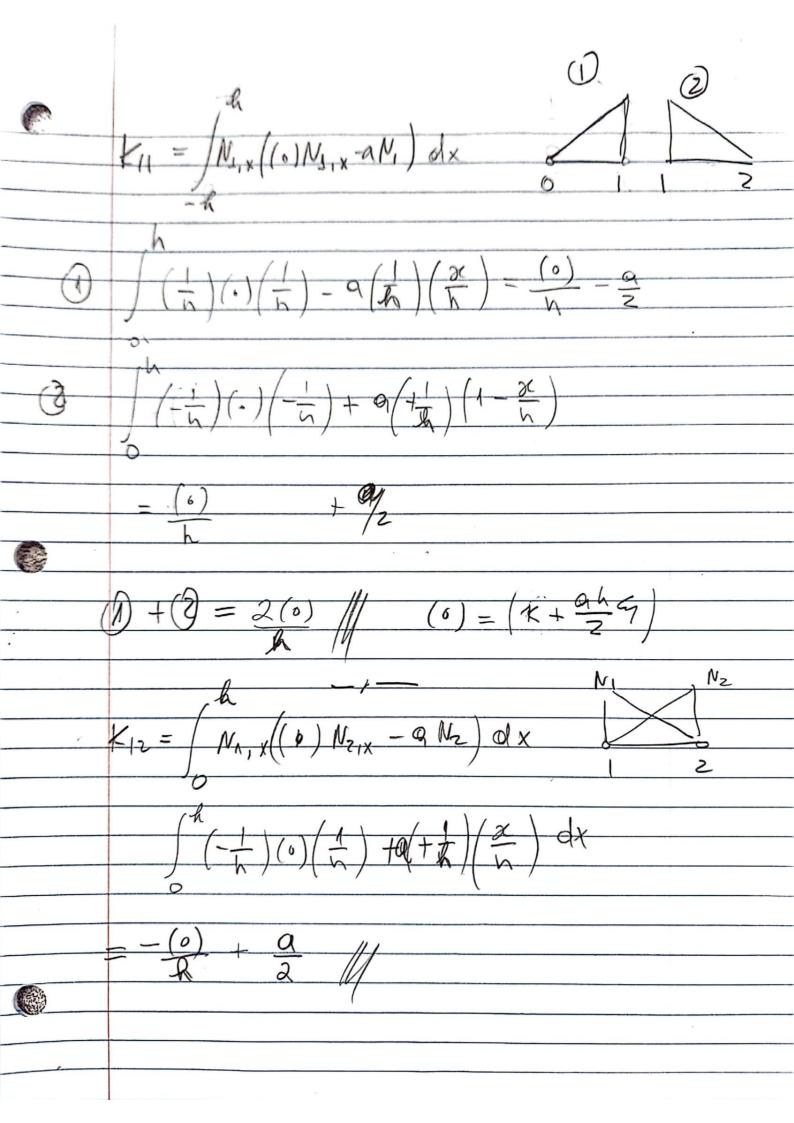
$$N_{7} = A - \alpha / h$$

$$N_{8} = A - \alpha / h$$

$$N_{1} = A - \alpha / h$$

$$N_{1} = A - \alpha / h$$

Fi= | f(Ni + = 9 Nix) dx Xe+1 (1- X-Xo) + K & (-1) dx X-X2 + X0X = \( \frac{\x}{2}\) \( \frac{\x}{2}\) rode et X- X-X0X - E1X X- X-X0X - E1X Xe X - XXo + X 5 dx Abde et1 



KN-1,N-2 - SNV1x ((0) NN-7,X - QNN2) dec