

Ditest - trial space - Ve = Span (40, Pg, 4m+) will had bet 45 on x 50 < x 1 < x m+ 1 = 1 (Fit) Find ue - Ver will ye (1) = 0, u's (0) - 3 5 t. Sue (x) ve (x) x + 5 ye (x) dx = 5 ve (x) dx - 3 ve (x) dx - 3 ve (x) dx - 3 ve (x) dx c) Wrote (18/2) = 2 754/x) and take ve +4. In 1=01, 1941 (40) + 2 (5 4/x) 9 (4) dx + (4/4) 4/x) dx) 5; = (4/4) dx - 34/6) for i=0, m+1 Will bo = 1 4/2/1 x - 34/8/ = 2 - 3 and bom, = 5 4 /x/4 - 34 /092 2 by def of G (Da) Ve-span (543,7) , is hat let on rule s. (9) Tita I from 48 c) Ilf-Tatilizers = 2 114-774/12 & E Cichic Ilf 4 2/100 & C. h. 14/11 2/100 & C. h. 14 5) Test with m. 0= 3 Du W dx = Squ. Vudx - S (70. n) uda = S Pu. Vudx - Squds + Su²ds

The consense of 20 or P= Dr 1 Vully corr => 11 8 ml + 11 4 11 22 5 5 grads = Ug V . Wall to 1 5 1 V g V 1 2 V 1 1 1 2 V DIPulicas + 1 lulling & 1 1/2 4 to, on (6) a) Hom Diniblet BC of thest = trial = Ho (N), see lecture oc (VF) For all ox to T, And u, to Ho s.t. (yel, to, v) = +(u,t, t) v') + (ul,t), v) = (k, v) + V6076 b) Ve syan (848); 1) where 4; last feb on throughtation The = 31681; 7 of r (FE) For all or 6 5T And unit of ele est (untiblity) 2 + (une 11,6) value 1,01, value = 6, value 1/2 ULIX, or The works EVer pur cont linear integralant of up c) Set yesky = 2 5,(+) f;(x) and take 16, x>= 4, (x) lm i=1, N into (FE) C (4) 2 { 7/11 (4, 4;) = +3/4 (4; 4;) + 5/4) (4, 4) = (6, 4;) - Con i=1, N



