Micuennoe penienne 6 Merog Pyme-kynte 4 nopegna 1 y= fx(x, y1, y2) yso, yeo - nar yeurbeech. ~ l y2 = f2 (x, y2, ye) 5 K11 = h. fil x0, y10, y20) K21 = h. f2 (x0, y20, y20) K12 = h. fs (x0+ = 2 /10= Kule, 420+ K21/2) Kez=h.fe (xo+2, y10+K21/2, y20+ K21/2) -K13= h. f1 (x0+2, y10+ K12/2, y20+ K22/2) K23 = h.f2 (x0+ \frac{h}{2}, y10+ k12/2, y20+ k22/2) K14 = h. f1 (x0+h, y10+K13, y20+K23) Kzy = h. fe (xo+h, y10+ K12, y20+ K22) Y10 += (Kn+2 K12+2 K13+ K14)/6 Detal 420+=(K21+2K22+2K22+K24)/6 X0+=h - w1 x2y"+xy'+(x2-5)y=0 y(1)=0 y'(1)=0 $\chi(x) = y'(x)$ $\begin{cases} y' = \Xi = f_1(x, y, \xi) \\ \Xi' = -\frac{\Xi}{x} - (1 - \frac{\Xi}{x^2})y = f_2(x, y, \Xi) \end{cases}$ 4(1)=0 吴(1)= 1

 $\int u' + v' + 3u + v = 0 (1) \quad u(0) = 1$ $(u' - v' + u + 3v = 0 (2) \quad v(0) = 2$ $(1) + (2): \quad 2u' + 4u + 4v = 0 \quad (1) - (2): \quad 2v' + 2u - 2v = 0$ $(1' = -2u - 2v) \quad v' = -2u + v$ $f_{2}(f, u, v) = -2u - 2v \quad v' = f_{2}(f, u, v)$ $f_{2}(f, u, v') = -u + v \quad v' = f_{2}(f, u, v')$