A single step wethood  $u_{j+1} = E(xh) u_{j}$ for  $u' = \lambda u$  is said to be

(1) Absolutely stable if  $|E(xh)| \le 1$ ,  $\lambda \angle D$ (11) Relatively stable if  $|E(xh)| \le e^{xh}$ ,  $\lambda > 0$ (11) Periodically stable if |E(xh)| = 1,  $\lambda$  bure imaginary