



G: D - x the resolvant:  $F(G(d), d) = 0 \Rightarrow x = G(d)$ Rea Stability measures | G(d+Sd) - G(d) | < K / 8d/ Bounded Freehot Devalue of F - Only stable problems. Diserte opreximention: sequence of problems aproximating F Fr (sen, dn) = 0 dn & Xn, xn & Xn Convergence:  $|x_n - x_n| = 0$ when  $\|d_n - d\| \rightarrow 0$ , and  $F_n(x_n, d_n) = 0$ 16 (d) - G, (d) 1 ->0 [Couristency] If du = d +n, Then ph is courisfent => | Fr (2e, d) =0 (G(d) - G(d) 1 - 0