Thin: Let CG be applied to an SPD matrix A to solve A75=3, where Land bare known. let cond(A)=k(A). In ||Allz=(6 horsest) LETRMEN, beTRM. Als let error at iterate n be en = xn-x. Also for fEIM, let 1151/A = VFTAF the b-norm: $\|e_n\|_{\lambda} \leq \|e_{n-1}\|_{\lambda}$ and en = 0 is achieved for some n = m and is the unique numiniser of $f(x) = \frac{1}{7}x^{T} A x - x^{T} b$

This Rose of annergance:

11 lealls 52 (Ve-1) n. In fact, for

le-ser, Which implece that for large the convergence to some tolorance is expected in G (VK) iterations. Amk: Let's revisit SOR: $\chi^{k+1} = \chi^k + \omega(\chi^{k+1}_{Gs} - \chi_k)$ ω(x_{os} - x^k) ω>1 overrelaxation ω 2 | under relaxation SOR is also a line search