

The plot displays the convergence of the gradient method for different numbers of restarts. The x-axis represents the number of iterations (0 to 1000), and the y-axis represents the logarithm of the error norm, $\log_{10}(\|x - x^*\|)$ (0 to 10). The legend indicates that the lines represent the number of restarts, ranging from 0 to 9. The lines for 0 restarts show the slowest convergence, while the lines for 9 restarts show the fastest convergence, reaching the minimum error norm of 0 (on the log scale) in the fewest iterations.

