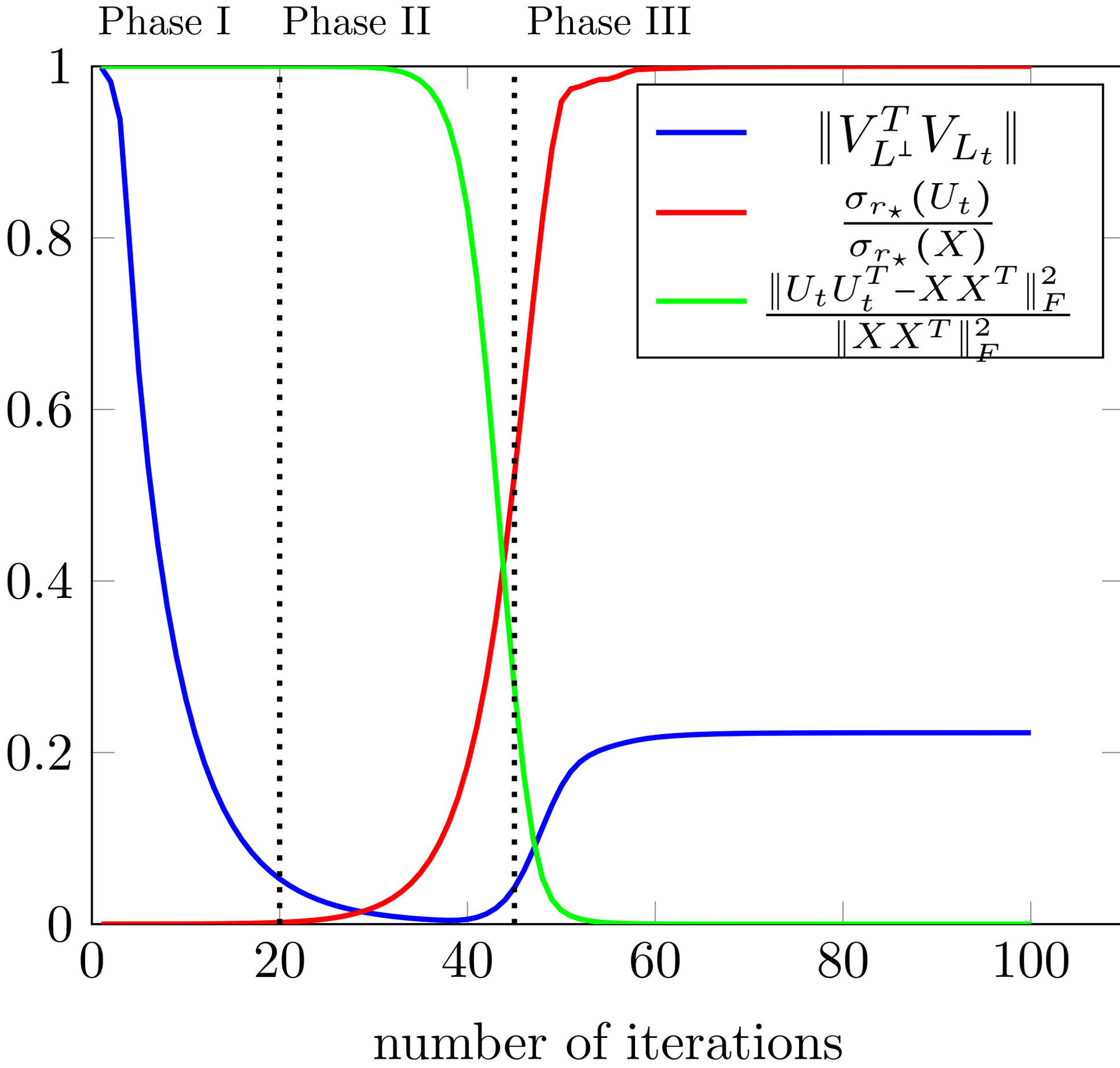
Phase I
Phase II
Phase III
1
0.8
0.6
0.4
0.2
0
0
20
40
60
80
100
number of iterations
$\|V_{L^\perp}^T V_{L_t}\|$
$\frac{\sigma_{r_\star}(U_t)}{\sigma_{r_\star}(X)}$
$\frac{\|U_t U_t^T - X X^T\|_F^2}{\|X X^T\|_F^2}$