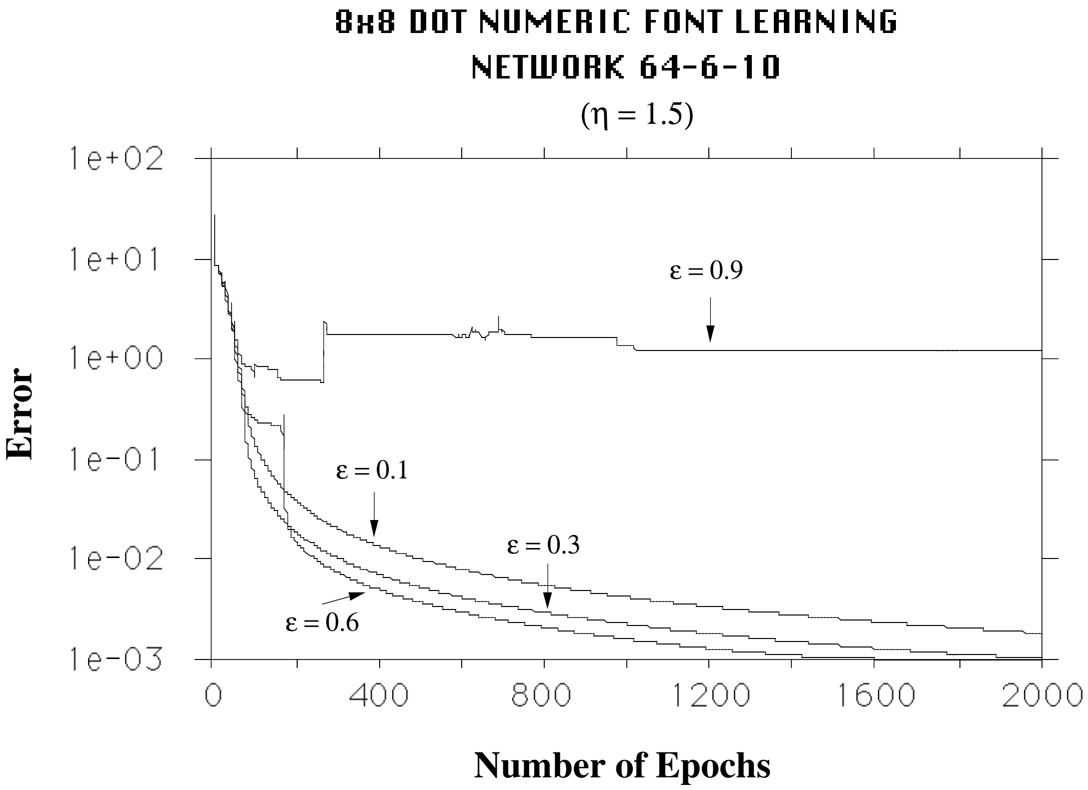

FIGURE 6.
Mean learning curves for the 8x8 dot numeric font learning obtained by using extended back propagation. Each curve was obtained by setting η to 1.5 (the best learning value for the standard back propagation) and ε to a different value. The means were computed over the same five different starting points used for the standard procedure. The best performance was obtained when $\varepsilon = 0.6$. Learning was better than the standard procedure for each value in ε except for ε=0.9 when instabilities in the learning were observed.