$\langle |z*w|^2 \rangle$, $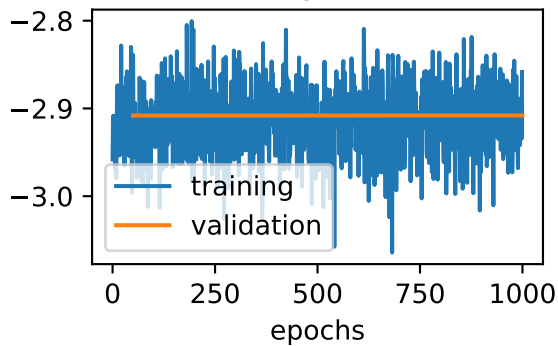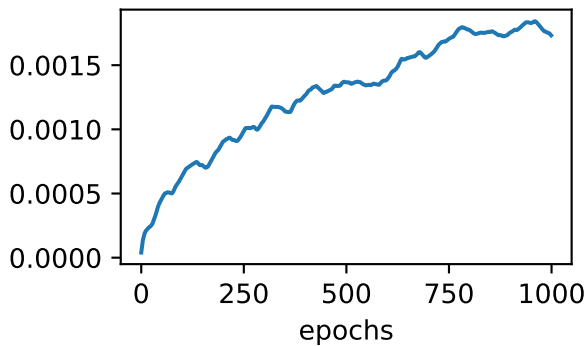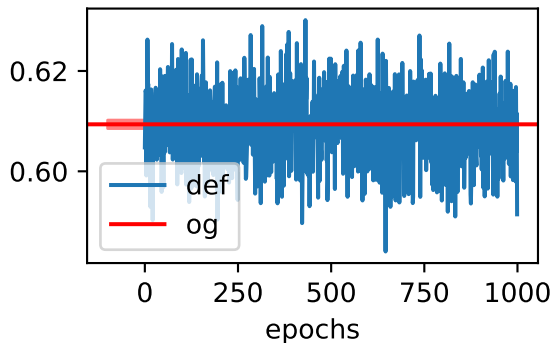\beta = 4.5$