

Abstract. Let \mathcal{A} be a Banach algebra with a closed two sided ideal \mathcal{I} . We introduce \mathcal{I} -multipliers of \mathcal{A} , and prove that $\mathcal{M}_{\mathcal{I}}(\mathcal{A})$, the set of all \mathcal{I} -multipliers of \mathcal{A} is a closed subalgebra of $\mathcal{B}(\mathcal{A})$ containing $\mathcal{M}(\mathcal{A})$, where \mathcal{I} is an essential ideal of \mathcal{A} . Furthermore, we establish some basic properties of \mathcal{I} -multipliers.