The interior of a set A is denoted by \mathring{A} . The interior of a set A is denoted by \mathring{A} . The closure of the interior is $\overline{\mathring{A}}$. Beware $\overline{\mathring{A}} \neq \overline{\mathring{A}}$. (This is not nice...). Beware $\overline{\mathring{A}} \neq \overline{\mathring{A}}$