

Assignment 6

Due Tuesday 20th March.

1. Prove $(A^\circ)^c = \overline{(A^c)}$

2. Prove that if A_γ are open,
then $\bigcup_\gamma A_\gamma$ is open

3. What about intersections of open sets, finite intersections? countable intersections?

4. What is the relationship between A° , $\bar{A}$, and the set of boundary points of A ?