

Real Analysis Notes

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De Morgan's Laws

These laws state that the complement of

$$(i) \quad (A_1 \cup A_2 \cup \dots \cup A_n)^c = A_1^c \cap A_2^c \cap \dots \cap A_n^c$$

$$(ii) \quad (A_1 \cap A_2 \cap \dots \cap A_n)^c = A_1^c \cup A_2^c \cup \dots \cup A_n^c$$