



Math for the people, by the people.

regularly open

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Given a topological space (X, τ) , a *regularly open set* is an open set $A \in \tau$ such that

$$\text{int } \overline{A} = A$$

(the interior of the closure is the set itself).

An example of non regularly open set on the standard topology for \mathbb{R} is $A = (0, 1) \cup (1, 2)$ since $\text{int } \overline{A} = (0, 2)$.