



Math for the people, by the people.

pi-system

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Let Ω be a set, and $\mathcal{P}(\Omega)$ be the power set of Ω . A π -*system* (or pi-system) on Ω is a set $\mathcal{F} \subseteq \mathcal{P}(\Omega)$ such that

$$A, B \in \mathcal{F} \Rightarrow A \cap B \in \mathcal{F}. \tag{1}$$

A π -system is closed under finite intersection.