

Definition 12.18 The image of a set of FCMI's $\Pi = \{K_l, 1 \leq l \leq k\}$ is defined as

$$Im(\Pi) = \bigcup_{l=1}^k Im(K_l).$$

Theorem 12.19 Let Π be a set of FCMI's on X_1, X_2, \dots, X_n . Then Π holds if and only if $\mu^*(A) = 0$ for all $A \in Im(\Pi)$.