Claim cont LATES $\mathbb{E}\left[\chi(du(A))\right] = \sum_{j=0}^{3} \mathcal{I}_{j}(A) \rho_{j}(u)$ and $f\left(\chi(tu(B))\right) = \sum_{j=0}^{3} f_{j}(B)\rho_{j}(u)$ we see that: combing all & applying the proposition $\mathcal{L}_1(A \cup B) p_1(u) = (\mathcal{L}_1(A) + \mathcal{L}_1(B)) p_1(u)$ Yu => L(A UB) = Lg & L(A) + L(B). Could use 12,43 for a better estimate of the Ly on the inner Lixes " lie The omes without boundary Now divide the used manifold into lots of boxes.

Ter generalization of the locally statumary approximation to general wanted by, ask Falsian.