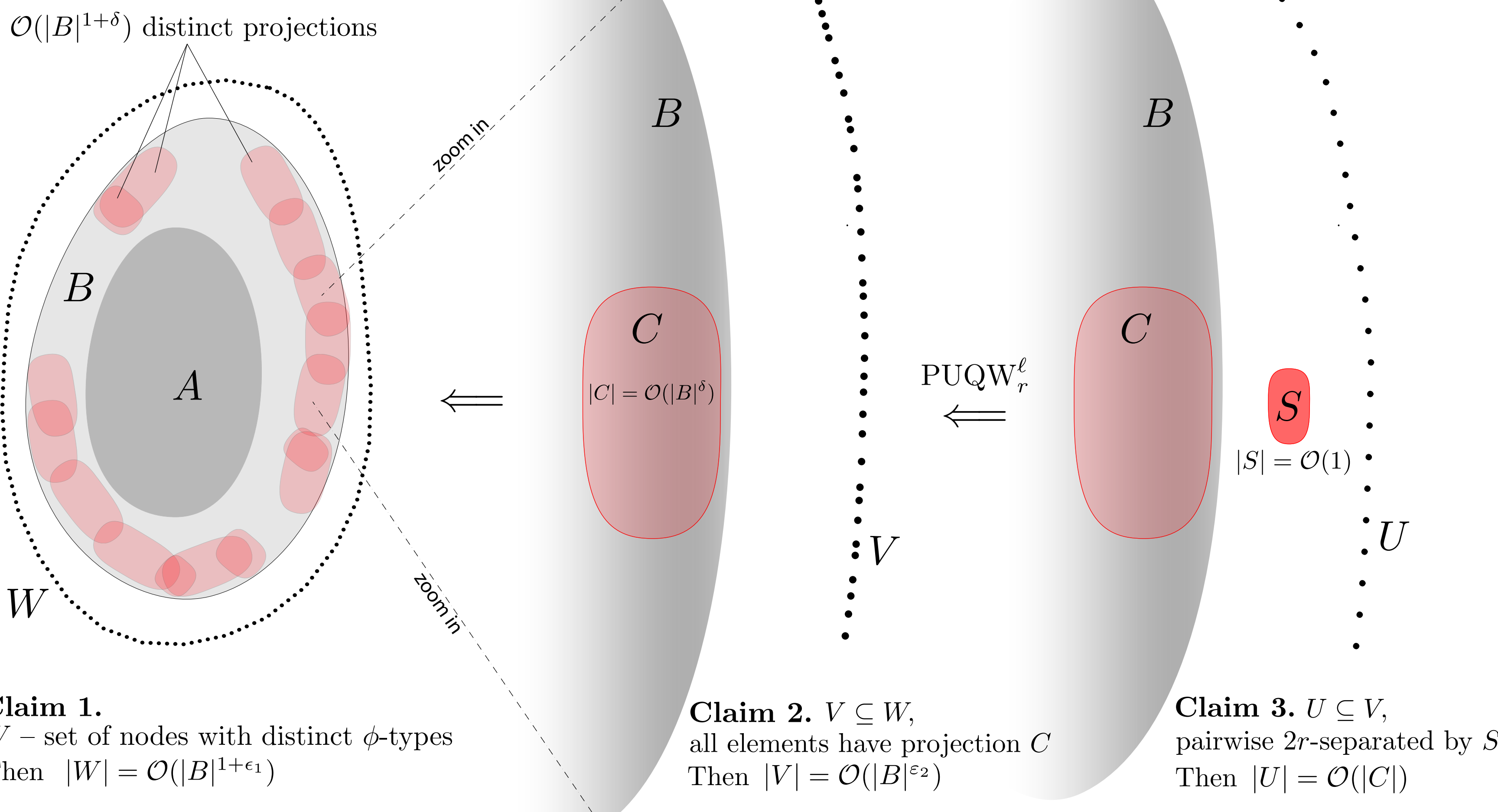


$\mathcal{O}(|B|^{1+\delta})$ distinct projections



Claim 1.
 W – set of nodes with distinct ϕ -types
 Then $|W| = \mathcal{O}(|B|^{1+\epsilon_1})$

Claim 2. $V \subseteq W$,
 all elements have projection C
 Then $|V| = \mathcal{O}(|B|^{\epsilon_2})$

Claim 3. $U \subseteq V$,
 pairwise $2r$ -separated by S
 Then $|U| = \mathcal{O}(|C|)$