

Infinite cardinals

$$\aleph_0 \quad \aleph_1 \quad \aleph_2 \quad \dots \quad \aleph_\omega \quad \aleph_{\omega+1} \quad \dots$$

Singular cardinal $\kappa = \sum_{\alpha < \mu} \aleph_\alpha$ $\mu < \kappa$
 $\aleph_\alpha < \kappa$

$$\aleph_\omega = \aleph_0 + \aleph_1 + \aleph_2 + \dots$$

Regular cardinal = not singular