# Superconducting length scales

# 1

Explain how to get the length scales in the different ways

Specifically: take

$$\xi(T) = \frac{1}{\sqrt{2}|\mathbf{Q}|} \tag{1.1}$$

with $\mathbf{Q}$ such that

$$|\frac{\psi_{\mathbf{Q}}(T)}{\psi_0(T)}| = \frac{1}{\sqrt{2}} \tag{1.2}$$