

Abbildung 1: First scale periodicity cell

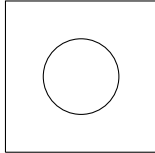


Abbildung 2: Second scale periodicity cell

1 Motivation

2 Two-scale periodicity

We want to create a geometry with two levels of periodicity.

Let $\Omega = [0, 1]^d$ be a domain with space dimension d . To create the first level of periodicity we scale and shift the first scale periodicity cell

