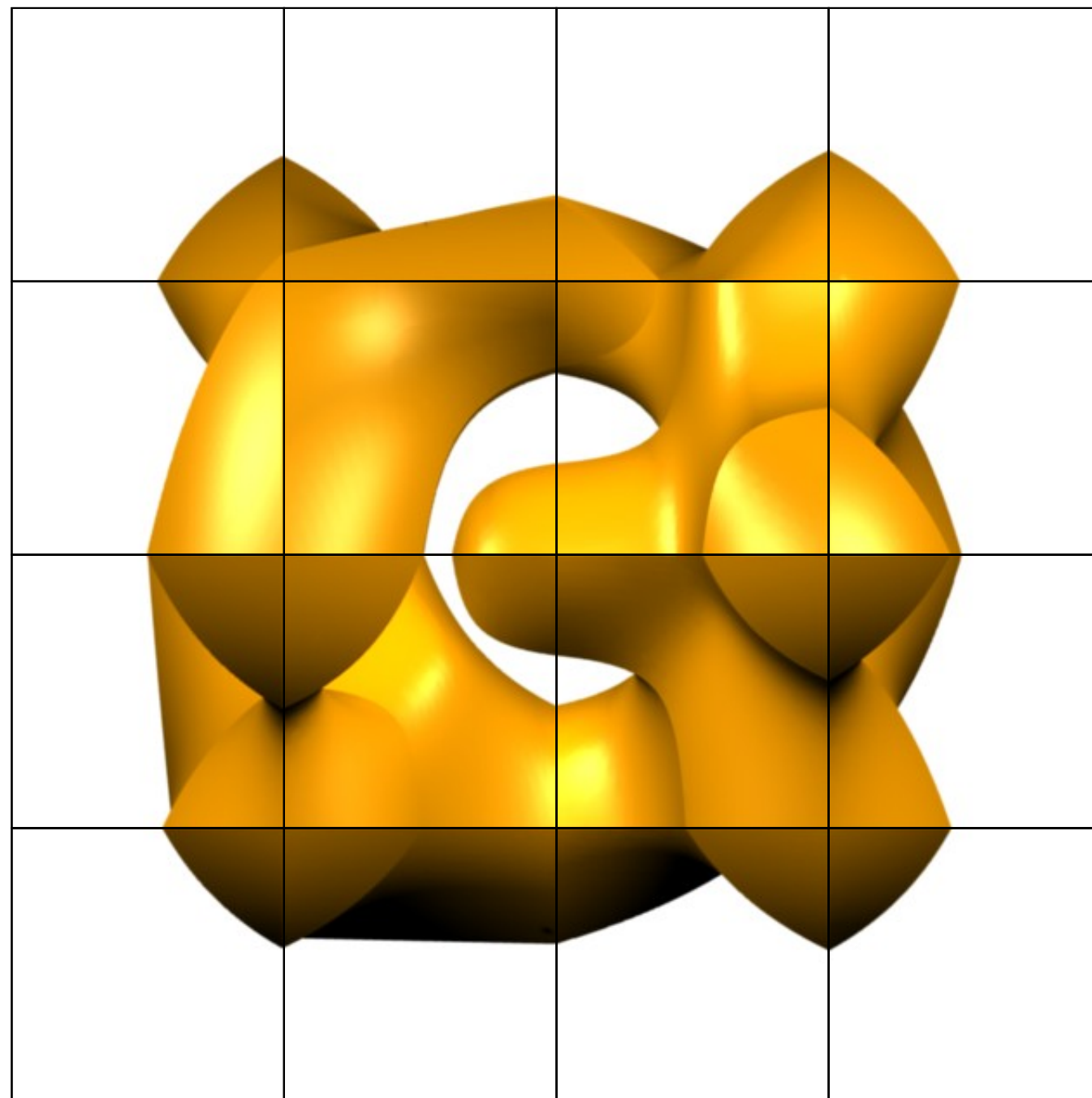
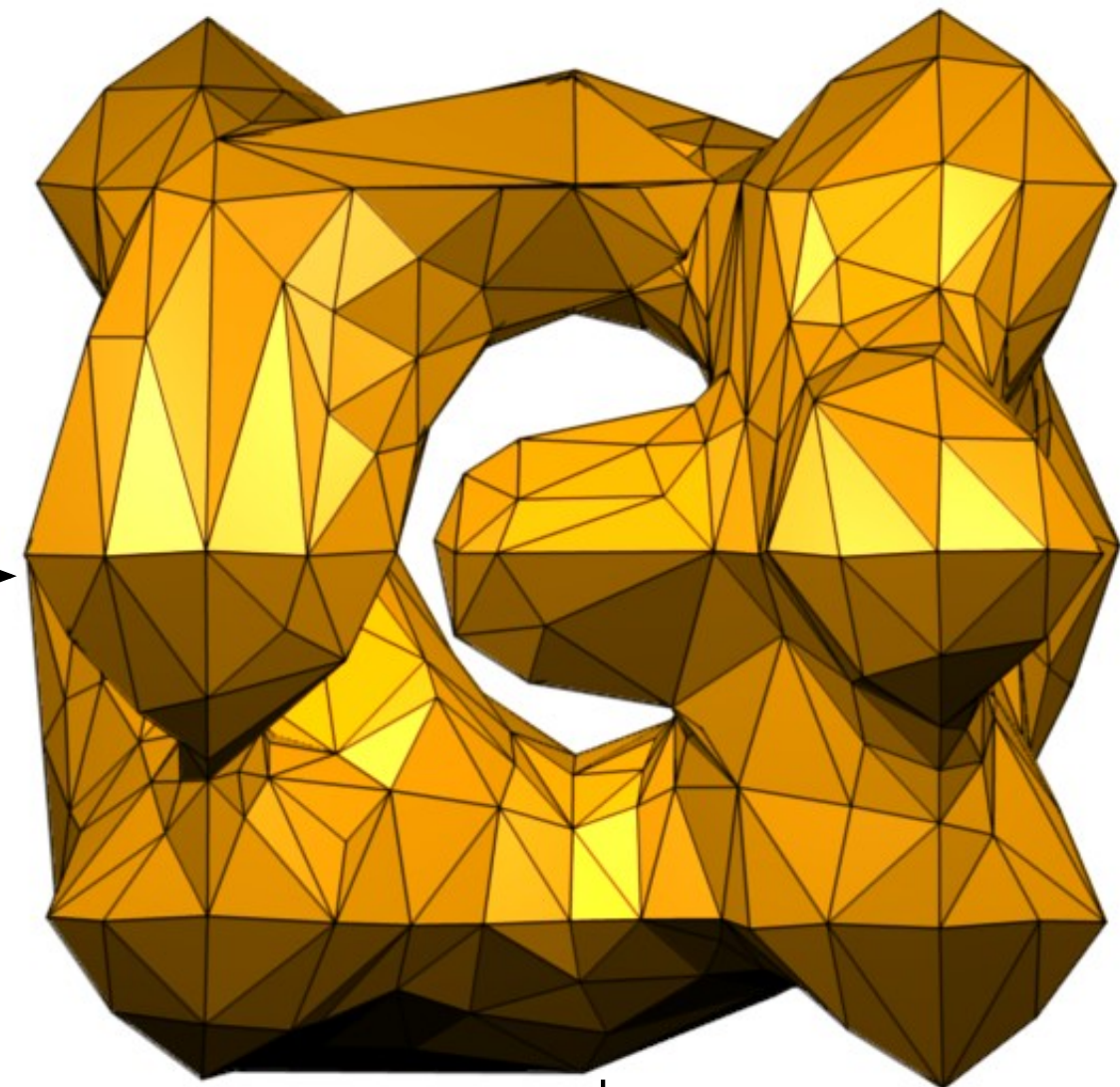


Random trilinear field



Isosurface
Extraction

Section 6



Compute
expected
Topological
Invariants

DT: Sections 4.1 and 5.3
SMT: Sections 4.2 and 5.2

$$(\beta_0, \beta_1, \beta_2, \chi)_i^{\text{grid}}$$

Compute mesh
Topological
Invariants
Section 4

Compare invariants

$$(\beta_0, \beta_1, \beta_2, \chi)_i^{\text{mesh}}$$

Sections 6.1, 6.2 and 7