

Ikarus::LinearElastic
::calculateScalarImpl

Ikarus::NonLinearElastic
::calculateScalarImpl

Ikarus::KirchhoffLoveShell
::calculateScalarImpl

Ikarus::Volume::calculate
ScalarImpl

```
graph LR; A[Ikarus::LinearElastic::calculateScalarImpl] --> D[Ikarus::Volume::calculateScalarImpl]; B[Ikarus::NonLinearElastic::calculateScalarImpl] --> D; C[Ikarus::KirchhoffLoveShell::calculateScalarImpl] --> D;
```

The diagram illustrates a design pattern where three different material models (LinearElastic, NonLinearElastic, and KirchhoffLoveShell) share a common implementation for calculating scalar values. Each model's `calculateScalarImpl` method is shown in a box on the left, and a single target box on the right represents the shared `Ikarus::Volume::calculateScalarImpl` method. Blue arrows point from each of the three source boxes to the target box, indicating that all three models delegate this calculation to the same shared implementation.