

Ikarus::LinearElastic
::calculateScalarImpl

Ikarus::NonLinearElastic
::calculateScalarImpl

Ikarus::KirchhoffLoveShell
::calculateScalarImpl

Ikarus::Volume::calculate
ScalarImpl

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graph LR; A[Ikarus::LinearElastic::calculateScalarImpl] --> D[Ikarus::Volume::calculateScalarImpl]; B[Ikarus::NonLinearElastic::calculateScalarImpl] --> D; C[Ikarus::KirchhoffLoveShell::calculateScalarImpl] --> D;
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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 implementation method points to a single, shared method within the Volume class.