

C++ code 3.2.7: Implementation of member function `energyOfInterpolant()` of class `QFEPProviderTester` → [GitLab](#)

```
2 template <If :: assemble :: EntityMatrixProvider ENTITY_MATRIX_PROVIDER>
3 template <typename FUNCTOR>
4 double QFEPProviderTester<ENTITY_MATRIX_PROVIDER>::energyOfInterpolant(
5     FUNCTOR &&u) const {
6     double energy = 0.0;
7     Eigen::VectorXd eta = DebuggingFEM::interpolateOntoQuadFE(dofh_, u);
8     // Compute  $\vec{\eta}^\top A \vec{\eta}$ 
9     energy = eta.dot(A_ * eta);
10    return energy;
11 }
```