```
| / F ield | OpenFOAM: The Open Source CFD Toolbox
 | / O peration |
  || / A nd | / www.openfoam.com
  W Manipulation |
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#include "fvMatrices.H"
#include "fvcDdt.H"
#include "fvcDiv.H"
#include "basicThermo.H"
// * * * * * * * * * * * * * Private Member Functions * * * * * * * * * * //
template<class RhoFieldType>
void Foam::fv::mySolidificationMeltingSource::apply
  const RhoFieldType& rho,
  fvMatrix<scalar>& eqn
  if (debug)
    Info<< type() << ": applying source to " << eqn.psi().name() << endl;
  update();
  const auto& CpVoF = mesh_.lookupObject<volScalarField>(CpName_);
  const auto& rhoCpPhiVoF = mesh_.lookupObject<surfaceScalarField>(rhoCpPhiName_);
  dimensionedScalar L("L", dimEnergy/dimMass, L_);
  // contributions added to rhs of solver equation
  if (eqn.psi().dimensions() == dimTemperature)
  {
```