

Eigen::SimplicialCholesky
::analyzePattern

Eigen::SimplicialLDLT
::analyzePattern

Eigen::SimplicialLLT
::analyzePattern

Eigen::SimplicialCholesky
Base::analyzePattern

```
graph LR; A[Eigen::SimplicialCholesky::analyzePattern] --> D[Eigen::SimplicialCholesky Base::analyzePattern]; B[Eigen::SimplicialLDLT::analyzePattern] --> D; C[Eigen::SimplicialLLT::analyzePattern] --> D;
```

The diagram illustrates the inheritance or delegation of the `analyzePattern` method in Eigen's Cholesky solvers. Three specialized methods on the left (SimplicialCholesky, SimplicialLDLT, and SimplicialLLT) all have arrows pointing to a single base method on the right (SimplicialCholesky Base::analyzePattern). The base method box is shaded gray, while the others are white with black borders.