HomoGebra::GeometricObiect Observer + GeometricObjectObserver() + ~GeometricObjectObserver() + Update() + Update() + Update() HomoGebra::PlaneImplementation - construction HomoGebra::Construction - name generator - going to be destroyed + ~Construction() + AddConstruction() + GetObject() + DestroyObject() + RecalculateEquation() + IsContained() + Update() + GetObiects() + GetNameGenerator() + Update() + Update() + Update() # Construction() + Update() + Update() - RemoveObject() HomoGebra::ConstructionLine HomoGebra::ConstructionPoint HomoGebra::ConstructionConic - line - point - conic_ + ~ConstructionLine() + ~ConstructionPoint() + GetObject() + GetObject() + GetObject() + GetConic() + GetLine() + GetPoint() + RecalculateEquation() + RecalculateEquation() + RecalculateEquation() + Update() + Update() + Update() + Update() + Update() + Update() # ConstructionLine() # ConstructionConic() # ConstructionPoint() # SetEquation() # GetEquation() # GetEquation() # SetEquation() # SetEquation() HomoGebra::ByTwoPoints HomoGebra::PointOnPlane HomoGebra::ConstructionFrom HomoGebra::ConicOnPlane HomoGebra::LineOnPlane - first point **TwoLines** equation equation - second point equation + PointOnPlane() + ConicOnPlane() + ByTwoPoints() + LineOnPlane() + ~PointOnPlane() + RecalculateEquation() + ~ByTwoPoints() + RecalculateEquation() + RecalculateEquation() + RecalculateEquation()