Description logic view: BFO-Continuants

Classes

Continuant

Continuant ≡ DependentContinuant ⊔ IndependentContinuant ⊔ SpatialRegion
Continuant ⊑ Entity

DependentContinuant

DependentContinuant ≡ GenericallyDependentContinuant ⊔ SpecificallyDependentContinuant
DependentContinuant ⊑ Continuant
DependentContinuant ⊑ ¬ SpatialRegion
DependentContinuant ⊑ ¬ IndependentContinuant

Disposition

Disposition ⊑ RealizableEntity
Disposition ⊑ ¬ Role
Disposition ⊑ ¬ Function

Entity

FiatObjectPart

FiatObjectPart ⊑ MaterialEntity
FiatObjectPart ⊑ ¬ ObjectBoundary
FiatObjectPart ⊑ ¬ Site
FiatObjectPart ⊑ ¬ Object
FiatObjectPart ⊑ ¬ ObjectAggregate

Function

Function ⊑ RealizableEntity
Function ⊑ ¬ Disposition
Function ⊑ ¬ Role

GenericallyDependentContinuant

GenericallyDependentContinuant ⊑ DependentContinuant
GenericallyDependentContinuant ⊑ ¬ SpecificallyDependentContinuant

IndependentContinuant

IndependentContinuant ≡ MaterialEntity ⊔ ObjectBoundary ⊔ Site
IndependentContinuant ⊑ Continuant
IndependentContinuant ⊑ ¬ DependentContinuant
IndependentContinuant ⊑ ¬ SpatialRegion

MaterialEntity

MaterialEntity ≡ FiatObjectPart ⊔ Object ⊔ ObjectAggregate
MaterialEntity ⊑ IndependentContinuant
MaterialEntity ⊑ ¬ Site
MaterialEntity ⊑ ¬ ObjectBoundary

Object

Object ⊑ MaterialEntity
Object ⊑ ¬ ObjectAggregate
Object ⊑ ¬ ObjectBoundary
Object ⊑ ¬ FiatObjectPart
Object ⊑ ¬ Site

ObjectAggregate

ObjectAggregate ⊑ MaterialEntity
ObjectAggregate ⊑ ¬ Object
ObjectAggregate ⊑ ¬ ObjectBoundary
ObjectAggregate ⊑ ¬ Site
ObjectAggregate ⊑ ¬ FiatObjectPart

ObjectBoundary

ObjectBoundary ⊑ IndependentContinuant
ObjectBoundary ⊑ ¬ ObjectAggregate
ObjectBoundary ⊑ ¬ FiatObjectPart
ObjectBoundary ⊑ ¬ Site
ObjectBoundary ⊑ ¬ MaterialEntity
ObjectBoundary ⊑ ¬ Object

OneDimensionalRegion

OneDimensionalRegion ⊑ SpatialRegion
OneDimensionalRegion ⊑ ¬ TwoDimensionalRegion
OneDimensionalRegion ⊑ ¬ ThreeDimensionalRegion
OneDimensionalRegion ⊑ ¬ ZeroDimensionalRegion

Quality

Quality ⊑ SpecificallyDependentContinuant
Quality ⊑ ¬ RealizableEntity

RealizableEntity

RealizableEntity ⊑ SpecificallyDependentContinuant
RealizableEntity ⊑ ¬ Quality

Role

Role ⊑ RealizableEntity
Role ⊑ ¬ Disposition
Role ⊑ ¬ Function

Site

Site ⊑ IndependentContinuant
Site ⊑ ¬ ObjectAggregate
Site ⊑ ¬ ObjectBoundary
Site ⊑ ¬ FiatObjectPart
Site ⊑ ¬ MaterialEntity
Site ⊑ ¬ Object

SpatialRegion

SpatialRegion ≡ OneDimensionalRegion ⊔ ThreeDimensionalRegion ⊔ TwoDimensionalRegion ⊔ ZeroDimensionalRegio
SpatialRegion ⊑ Continuant
SpatialRegion ⊑ ¬ DependentContinuant
SpatialRegion ⊑ ¬ IndependentContinuant

SpecificallyDependentContinuant

SpecificallyDependentContinuant ≡ Quality ⊔ RealizableEntity
SpecificallyDependentContinuant ⊑ DependentContinuant
SpecificallyDependentContinuant ⊑ ¬ GenericallyDependentContinuant

ThreeDimensionalRegion

ThreeDimensionalRegion ⊑ SpatialRegion
ThreeDimensionalRegion ⊑ ¬ TwoDimensionalRegion
ThreeDimensionalRegion ⊑ ¬ OneDimensionalRegion
ThreeDimensionalRegion ⊑ ¬ ZeroDimensionalRegion

TwoDimensionalRegion

TwoDimensionalRegion ⊑ SpatialRegion
TwoDimensionalRegion ⊑ ¬ ZeroDimensionalRegion
TwoDimensionalRegion ⊑ ¬ ThreeDimensionalRegion
TwoDimensionalRegion ⊑ ¬ OneDimensionalRegion

ZeroDimensionalRegion

ZeroDimensionalRegion ⊑ SpatialRegion
ZeroDimensionalRegion ⊑ ¬ TwoDimensionalRegion
ZeroDimensionalRegion ⊑ ¬ ThreeDimensionalRegion
ZeroDimensionalRegion ⊑ ¬ OneDimensionalRegion

Object properties

Data properties

Individuals

Datatypes

string