

Circular Economy Ontology Network (CEON) - Quantity Module

Metadata

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|----------------------------|---|
| IRI | http://w3id.org/CEON/ontology/quantity/ |
| Title | Circular Economy Ontology Network (CEON) - Quantity Module |
| Publisher | Onto-DESIDE |
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| License | https://creativecommons.org/licenses/by/4.0/ |
| Version Iri | http://w3id.org/CEON/ontology/quantity/0.2/ |
| Version Info | 0.2 |
| Prior Version | 0.1 |
| Preferred Namespace Prefix | ceon-quantity |
| Preferred Namespace Uri | http://w3id.org/CEON/ontology/quantity/ |

Classes

| | |
|--------------------------------|--|
| Quantity Interval ^c | |
| IRI | http://w3id.org/CEON/ontology/quantity/QuantityInterval |
| In Domain Of | hasMaximalValueIncludedOfInterval ^{op} hasMaximalValueNotIncludedOfInterval ^{op} hasMinimalValueIncludedOfInterval ^{op} hasMinimalValueNotIncludedOfInterval ^{op} |

Object Properties

has dimension^{op}

IRI <http://w3id.org/CE0N/ontology/quantity/hasDimension>

Sub Property Of [gudt:quantityValue](#)

Super Property Of

- [hasHeight^{op}](#)
- [hasLength^{op}](#)
- [hasThickness^{op}](#)
- [hasWidth^{op}](#)

has dismantling cost^{op}

IRI <http://w3id.org/CE0N/ontology/quantity/hasDismantlingCost>

Sub Property Of [hasProcessCost^{op}](#)

has height^{op}

IRI <http://w3id.org/CE0N/ontology/quantity/hasHeight>

Sub Property Of [hasDimension^{op}](#)

has length^{op}

IRI <http://w3id.org/CE0N/ontology/quantity/hasLength>

Sub Property Of [hasDimension^{op}](#)

has market value^{op}

IRI <http://w3id.org/CE0N/ontology/quantity/hasMarketValue>

Sub Property Of [gudt:quantityValue](#)

has maximal value included of interval^{op}

IRI <http://w3id.org/CE0N/ontology/quantity/hasMaximalValueIncludedOfInterval>

Sub Property Of [gudt:quantityValue](#)

Domain [QuantityInterval^c](#)

Range [gudt:QuantityValue](#)

has maximal value not included of interval^{op}

| | |
|------------------------|---|
| IRI | http://w3id.org/CE0N/ontology/quantity/hasMaximalValueNotIncludedOfInterval |
| Sub Property Of | gudt:quantityValue |
| Domain | QuantityInterval ^c |
| Range | gudt:QuantityValue |

has minimal value included of interval^{op}

| | |
|------------------------|---|
| IRI | http://w3id.org/CE0N/ontology/quantity/hasMinimalValueIncludedOfInterval |
| Sub Property Of | gudt:quantityValue |
| Domain | QuantityInterval ^c |
| Range | gudt:QuantityValue |

has minimal value not included of interval^{op}

| | |
|------------------------|---|
| IRI | http://w3id.org/CE0N/ontology/quantity/hasMinimalValueNotIncludedOfInterval |
| Sub Property Of | gudt:quantityValue |
| Domain | QuantityInterval ^c |
| Range | gudt:QuantityValue |

has price^{op}

| | |
|------------------------|---|
| IRI | http://w3id.org/CE0N/ontology/quantity/hasPrice |
| Sub Property Of | gudt:quantityValue |

has process cost^{op}

| | |
|--------------------------|---|
| IRI | http://w3id.org/CE0N/ontology/quantity/hasProcessCost |
| Sub Property Of | gudt:quantityValue |
| Super Property Of | <ul style="list-style-type: none">• hasDismantlingCost^{op}• hasRecyclingCost^{op}• hasRefurbishmentCost^{op}• hasTestingCost^{op}• hasTransportCost^{op} |

has recycling cost^{op}

IRI <http://w3id.org/CE0N/ontology/quantity/hasRecyclingCost>

Sub Property Of [hasProcessCost^{op}](#)

has refurbishment cost^{op}

IRI <http://w3id.org/CE0N/ontology/quantity/hasRefurbishmentCost>

Sub Property Of [hasProcessCost^{op}](#)

has testing cost^{op}

IRI <http://w3id.org/CE0N/ontology/quantity/hasTestingCost>

Sub Property Of [hasProcessCost^{op}](#)

has thickness^{op}

IRI <http://w3id.org/CE0N/ontology/quantity/hasThickness>

Sub Property Of [hasDimension^{op}](#)

has transport cost^{op}

IRI <http://w3id.org/CE0N/ontology/quantity/hasTransportCost>

Sub Property Of [hasProcessCost^{op}](#)

has volume^{op}

IRI <http://w3id.org/CE0N/ontology/quantity/hasVolume>

Sub Property Of [qudt:quantityValue](#)

has weight^{op}

IRI <http://w3id.org/CE0N/ontology/quantity/hasWeight>

Sub Property Of [qudt:quantityValue](#)

has width^{op}

IRI <http://w3id.org/CE0N/ontology/quantity/hasWidth>

Sub Property Of [hasDimension^{op}](#)

object value^{op}

IRI <http://w3id.org/CEON/ontology/quantity/objectValue>

Sub Property Of [qudt:hasQuantityKind](#)

Datatype Properties

numerical max value^{dp}

IRI <http://w3id.org/CEON/ontology/quantity/numericalMaxValue>

Range [xsd:double](#)

numerical min value^{dp}

IRI <http://w3id.org/CEON/ontology/quantity/numericalMinValue>

Sub Property Of [topDataProperty^{dp}](#)

Range [xsd:double](#)

Namespaces

:

<http://w3id.org/CEON/ontology/quantity/>

dcterms

<http://purl.org/dc/terms/>

owl

<http://www.w3.org/2002/07/owl#>

prov

<http://www.w3.org/ns/prov#>

qudt

<http://qudt.org/schema/qudt/>

qudt-unit

<http://qudt.org/vocab/unit/>

rdf

<http://www.w3.org/1999/02/22-rdf-syntax-ns#>

rdfs

<http://www.w3.org/2000/01/rdf-schema#>

vann

<http://purl.org/vocab/vann/>

xsd

<http://www.w3.org/2001/XMLSchema#>

Legend

| | |
|----|------------------------|
| c | Classes |
| op | Object Properties |
| dp | Datatype Properties |