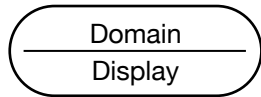


SCHEMA

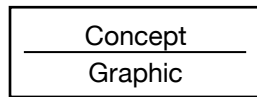
Representation



It covers the entirety of the representation being interpreted. The model root is always a Representation schema.

SCHEMA

R-Scheme

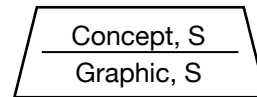


It pairs a conceptual structure of the domain with a graphical structure that is more complex than an R-dimension.

Defines a space for other schemas to inhabit.

SCHEMA

R-Dimension

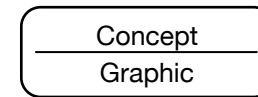


It pairs *one* concept that can take alternative values of a domain property with some means of encoding values.

Defines the inhabitants of a space. Must be assigned a Quantity Scale

SCHEMA

R-Symbol

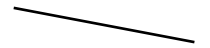


It pairs *one* concept with *one* graphic object. A *class* R-Symbol stands for many closely related concepts.

Are the inhabitants of a space.

LINK

Hierarchy

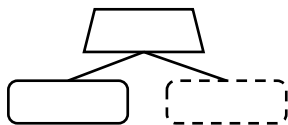


Connects a conceptually contained child with its parent.

This is the 'default' link within RIST/RISN.

IDIOM

Pick

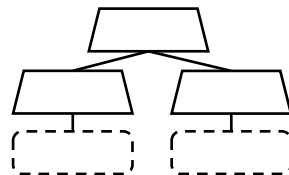


Selects some distinguished R-Symbol from the collection/class R-Symbol.

Used to discuss a specific, unique R-Symbol.

IDIOM

Filter

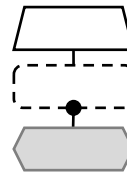


Selects some partial collection of the collection/class R-Symbol.

Used to discuss some new sub-collection.

IDIOM

For-Each

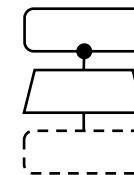


Describes every element of the collection/class R-Symbol in the same way.

Analogous to 'without loss of generality'.

IDIOM

Reduce

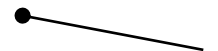


Consider the entire collection as a single unit/R-Symbol.

Useful as a form of abstraction.

LINK

Anchor

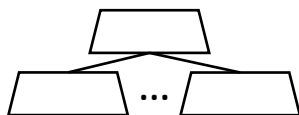


Introduces a new concept that is emergent in the context.

Only R-Symbols can be the parent in an anchor link; the child can be any schema.

IDIOM

Sum R-Dimensions

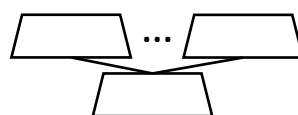


The parent R-Dimension can be broken down into several smaller R-Dimensions.

The parent is the first child *plus* the second child *plus*...

IDIOM

Product R-Dimensions

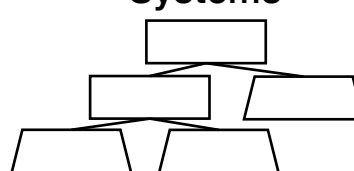


The child R-Dimension is the combination of all of its parent R-Dimensions.

The child is the first parent *times* the second parent *times*...

IDIOM

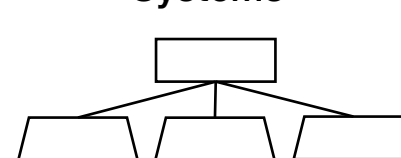
Explicit Coordinate Systems



The coordinate system breaks down into an R-Scheme of the axes, and R-Dimensions of the inhabitants.

IDIOM

Implicit Coordinate Systems



All dimensions of the coordinate system, whether axes or data, are under the parent R-Scheme.

LINK

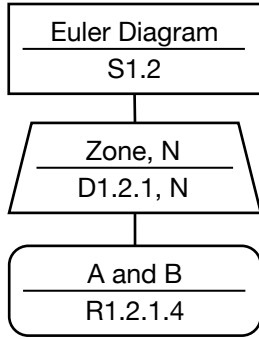
Equivalence



Denotes the same concept occurring in different parts of the representation.

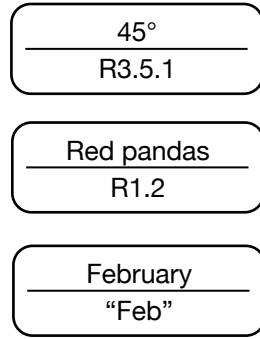
Indicates that the interpreter is using mental bookkeeping.

EXAMPLES · HIERARCHY



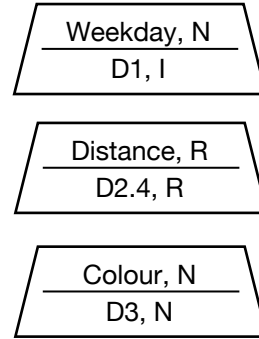
HOTKEY 'C'

EXAMPLES · R-SYMBOL



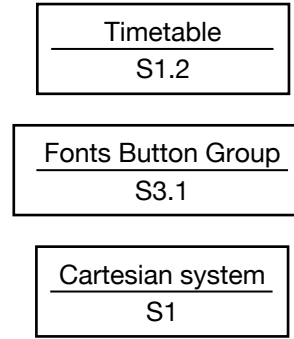
HOTKEY 'Y'

EXAMPLES · R-DIMENSION



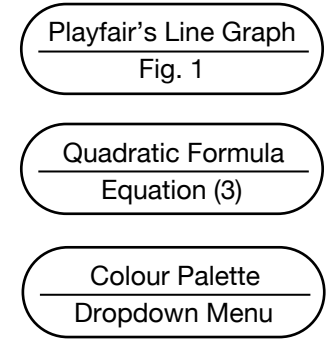
HOTKEY 'D'

EXAMPLES · R-SCHEME



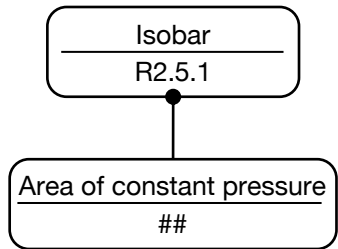
HOTKEY 'S'

EXAMPLES · REPRESENTATION



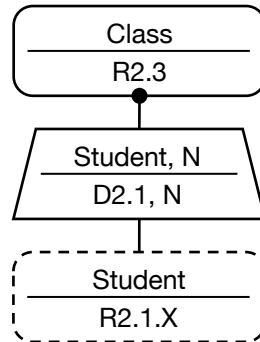
HOTKEY 'R'

EXAMPLE · ANCHOR

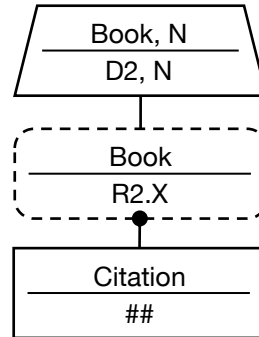


HOTKEY 'A'

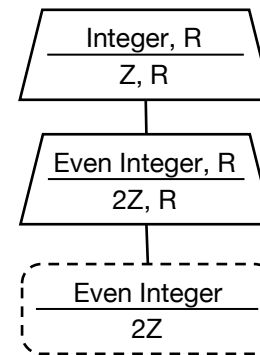
EXAMPLE · REDUCE



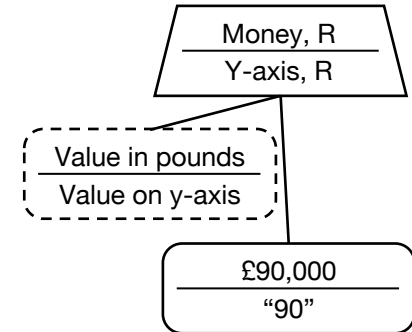
EXAMPLE · FOR-EACH



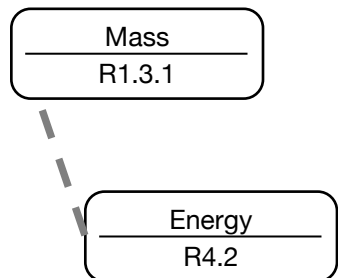
EXAMPLE · FILTER



EXAMPLE · PICK

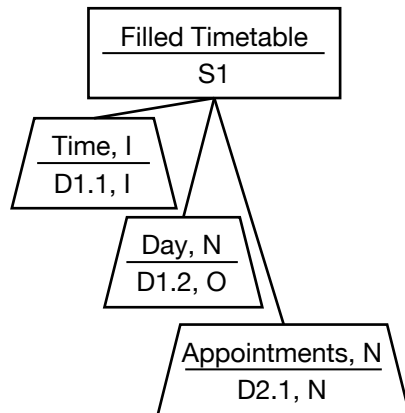


EXAMPLE · EQUIVALENCE

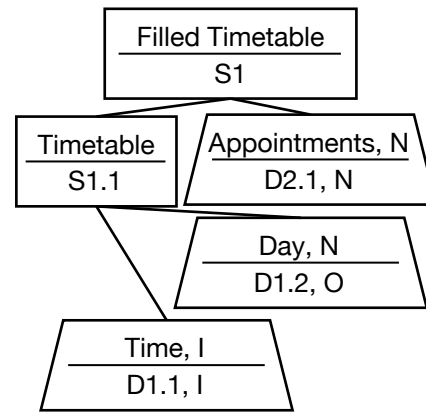


HOTKEY 'E'

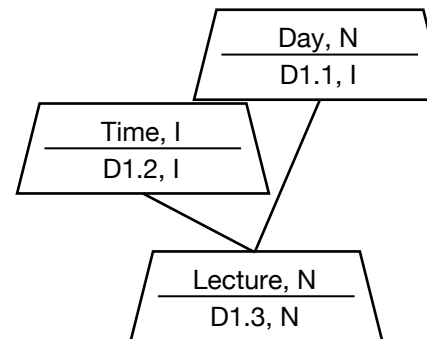
EXAMPLE · IMPLICIT COORDS



EXAMPLE · EXPLICIT COORDS



EXAMPLE · PRODUCT



EXAMPLE · SUM

