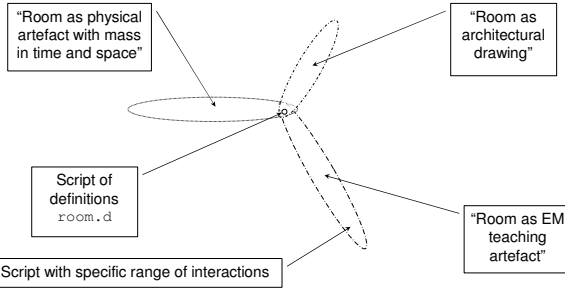


## Modelling with different motivations



About Definitive Scripts

## Observables, Dependency, Agency

The observables, dependencies and agency that are topical relate to the situation and the way in which a script is being interpreted.

In the architectural drawing, don't observe time.

In the physical room, observe mass, time, force.

In teaching EM, we observe the screen display itself and seek to interpret "absurd" definitions

About Definitive Scripts

## Observables

Observables are entities  
whose identity is established through  
experience  
whose current status can be reliably captured  
by experiment  
*Can be physical, scientific, private, abstract,  
socially arbitrated, procedurally defined etc.*

About Definitive Scripts

## Dependency and Agency

An *agent* is an observable (typically composed of a family of co-existing observables) that is construed to be responsible for changes to the current status of observables

A *dependency* is a relationship between observables that - in the view of a state-changing agent - expresses how changes to observables are indivisibly linked in change

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## Single Agent modelling

In the primary and most primitive form of Empirical Modelling, the modeller is the only state-changing agent – though they may act *in the role* of different agents: e.g. room user or designer, architect, Empirical Modelling lecturer.

The dependencies between observables are then those that are experienced by the modeller acting in the situation: they express the way in which changes to observables are connected.

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## Negotiated and evolving interpretations

The situation surrounding the interpretation of a script is never completely closed or well-specified. The modeller always has to exercise discretion to achieve a degree of closure. Situations can blend.

Definitions stabilise as meanings are negotiated.

Stable definitions reflect established experience.

Skills and insights can give rise to new definitions.

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## Illustrative examples

Definitions stabilise as meanings are negotiated.

*The model of the desk drawer gets improved.*

Stable definitions reflect established experience.

*The door location and mechanism gets fixed.*

Skills and insights can give rise to new definitions.

*We connect the door opening with the light coming on, or learn to use a touch-sensitive switch.*

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