Inference from the paper:

* The key importance of this paper is, we can work on different domains individually and combine the result without affecting the other domains.

→ This method is called as compositional modelling.

* There are three types of compositional modelling

(i) Model semantics: concrete mathematical models.

(ii) Syntax (composition): interactions between systems

(iii) composition rule: how to compose ie rule

* Model semantics just assigns meaning to the object but composition axiomatizes the rule.

"Span" = multirelation pairs of element may be related with multiplicity.

Why is it important? when there are multiple tokens of the same species.

* We define petrinets as closed systems meaning it exists independently. Non-compositional modelling focuses on implementing closed systems.

So, structured cospans & decorated cospans change ~~op~~ closed → open.

Structured multicospan of Petri-nets =

A list of finite sets $A_1 \cdots A_n$ and fns $A_1 \to S, \cdots A_n \to S$.

A_i is the ~~leg~~ feet of multicospan and