Integraal is meer dan kiezen

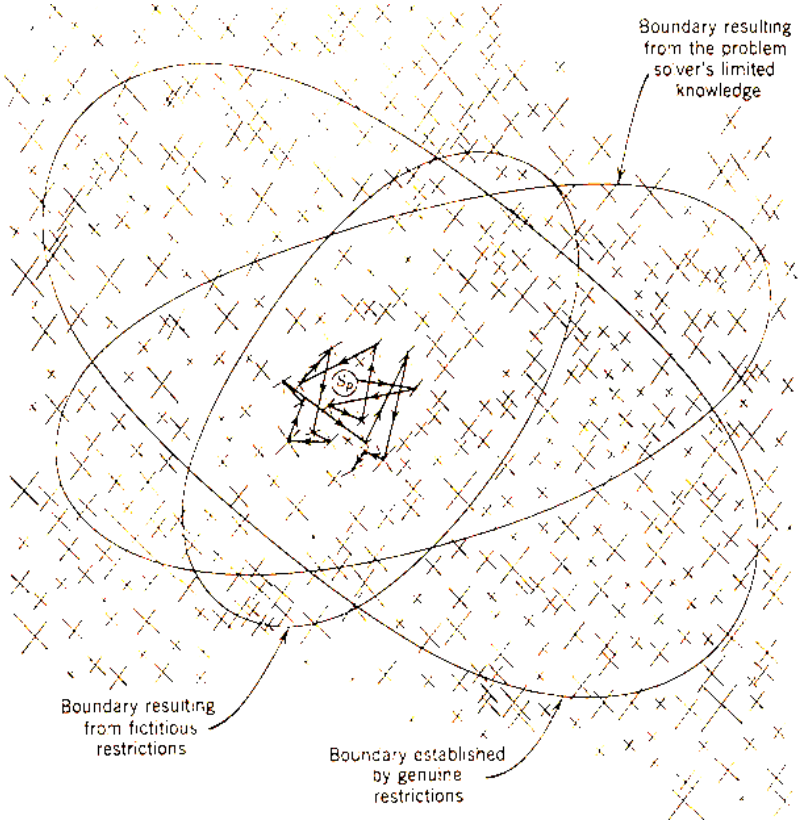
Dr.ir. Perica Savanović

onderwerpen

1. Begripsvorming,
2. Integraal ontwikkelen en ontwerpen,
3. Focus op morfologische overzichten,
4. Geïntegreerd vs. integraal,
5. Paradigmaverandering.

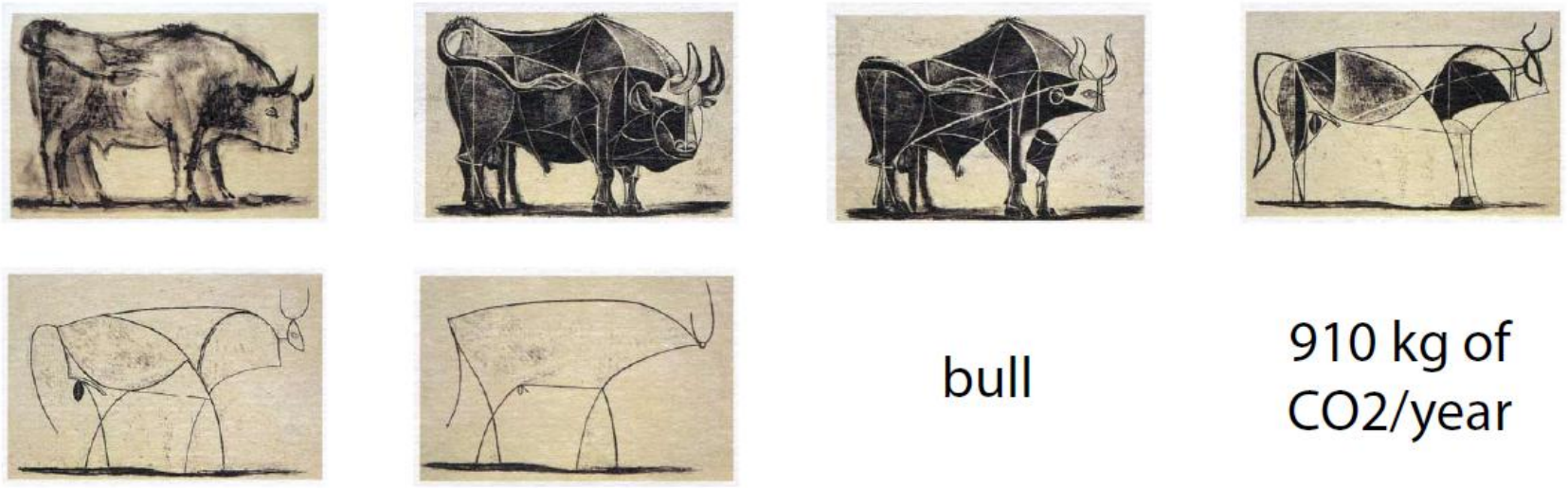
begripsvorming

Groepsbeeld en -kennis



integraal

Interpretatie en presentatie



bull

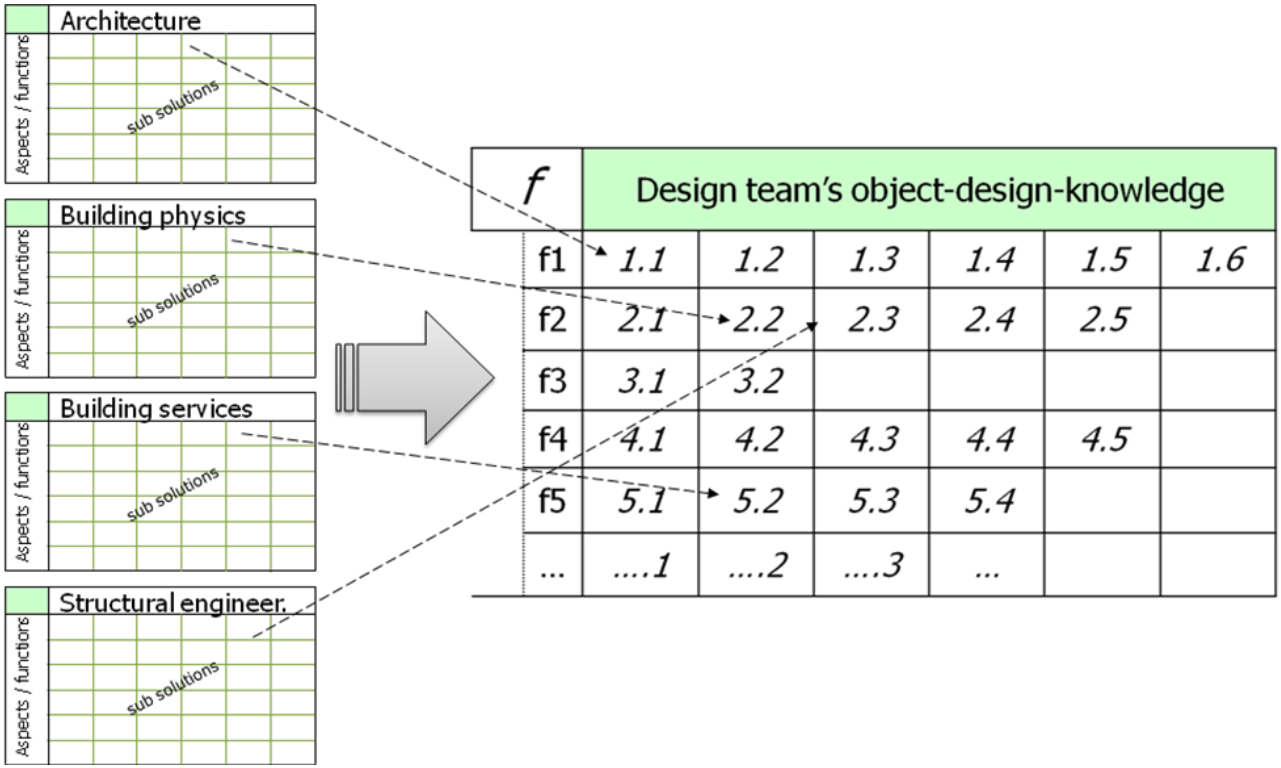
910 kg of CO2/year

integraal

Creatie en presentatie (expliciteren!)

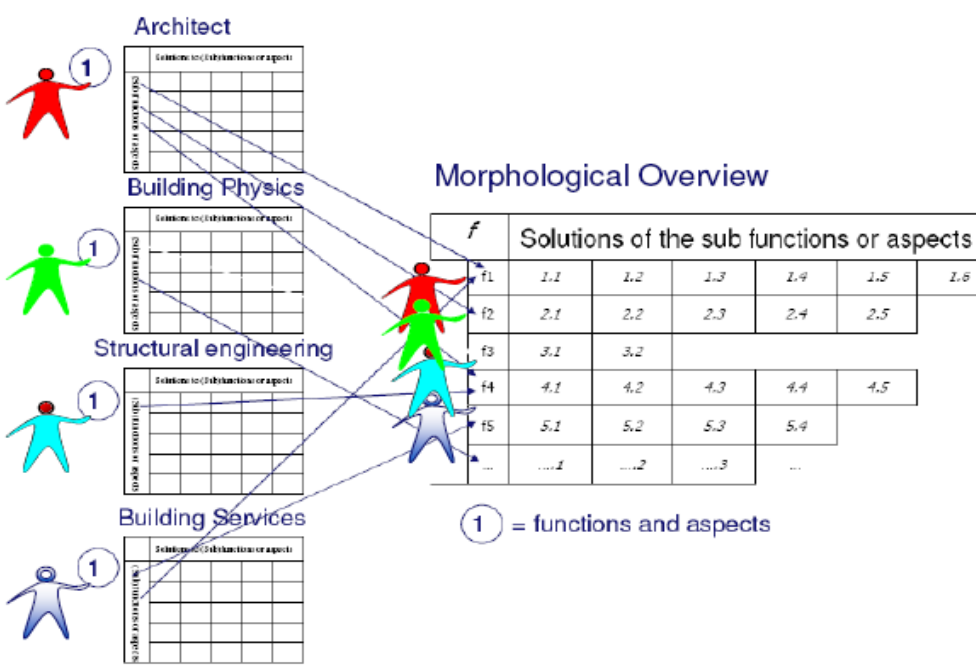
morfologische overzichten

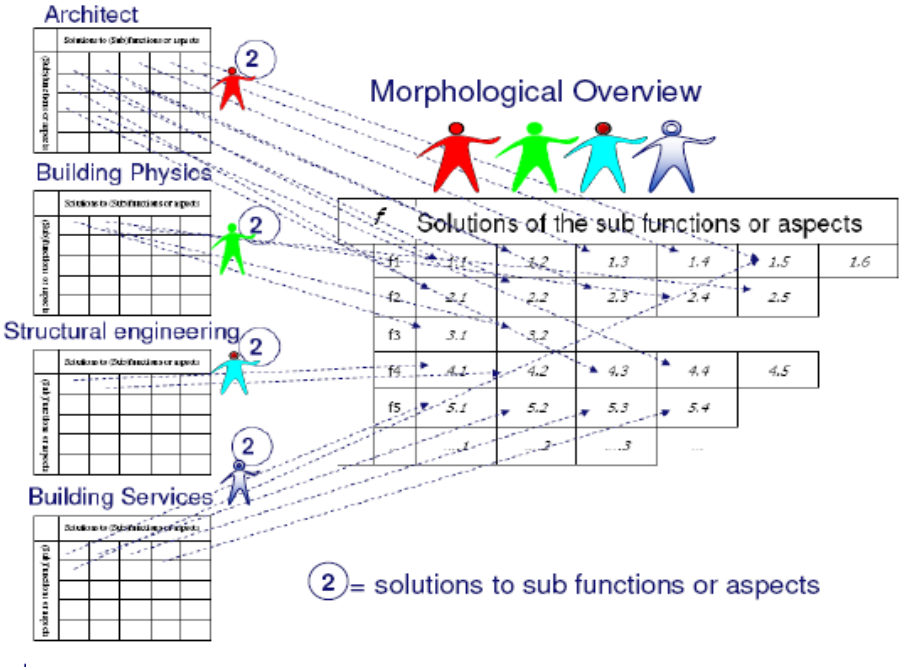
Inbreng van expliciete kennis



morfologische overzichten

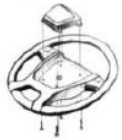
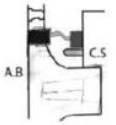
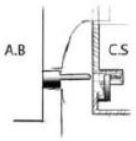
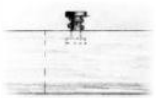
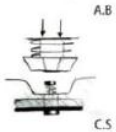
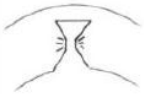
Van discipline gebaseerde morfologische kaarten naar team gebaseerde morfologische overzicht





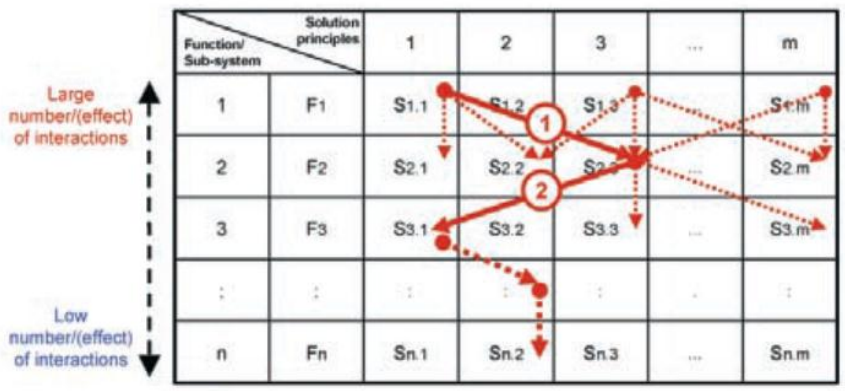
morfologische overzichten

Voorbeeld auto-industrie

	Sub-Concept 1	Sub-Concept 2	Sub-Concept 3	Sub-Concept 4	Sub-Concept 5	Sub-Concept 6
Airbag mounting	*Current solution* 	*The airbag is screwed from front* 	*The airbag is screwed from back* 	*Latches and springs* 		
Airbag to SWM connection	*Back-facing connector to SWM* 	*Through Clock Spring cable* 	*Flexible connector* 	*Airbag to CS steering* 		
Steering wheel securing	*Screw through asymmetric column* 	*Touching screw* 	*Tight angle screw asymmetric column* 	*Snap l* 		
Clock spring locking	*Spring in centre of Clock Spring* 	*Pin in hole (spring loaded)* 	*Press pin (spring loaded)* 	*DAB feet unlocks Clock Spring* 	*Breakable sealing* 	

morfologische overzichten

Voorbeeld auto-industrie



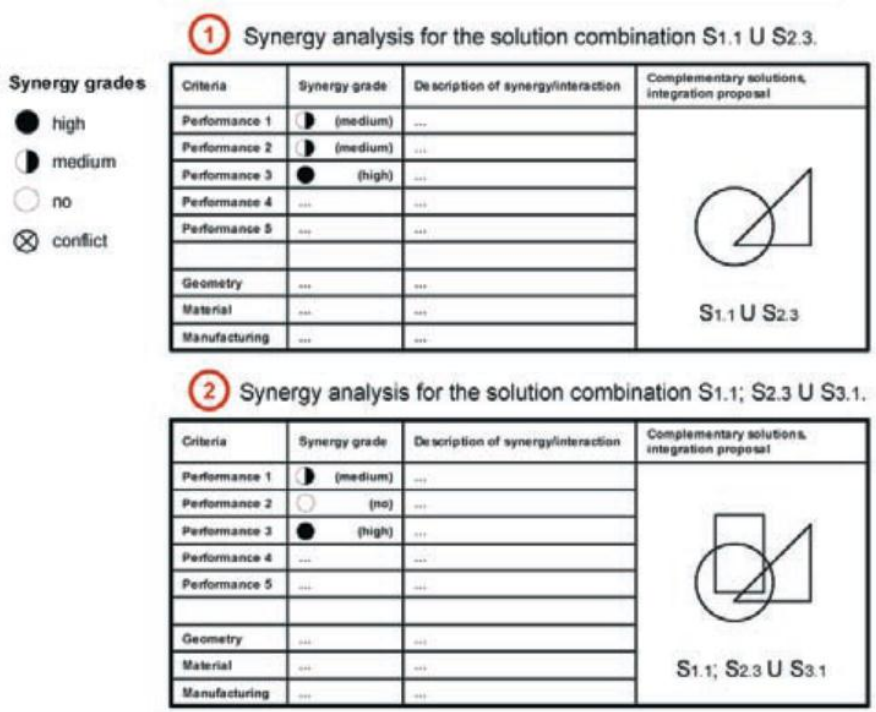


Figure 7. Synthesis steps including synergy analysis [Almefelt 2005a]

morfologische overzichten

Voorbeeld auto-industrie

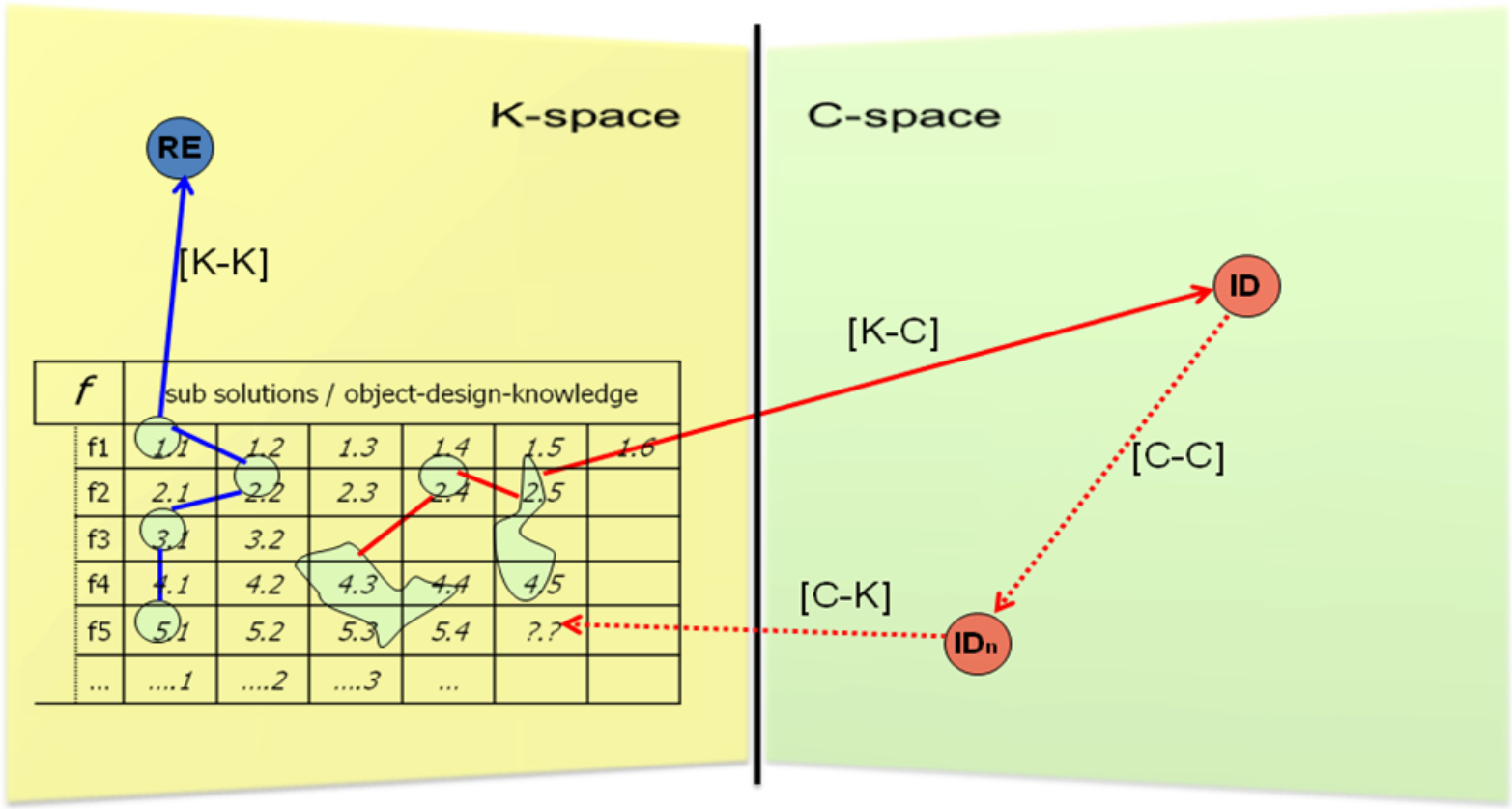
more finished ⟶ less finished

A dimension: "perceived finishedness"

Jonathan Edelman
Center for Design Research
Stanford University
February 2, 2010
Design Society SIG
Paris Mines Tech

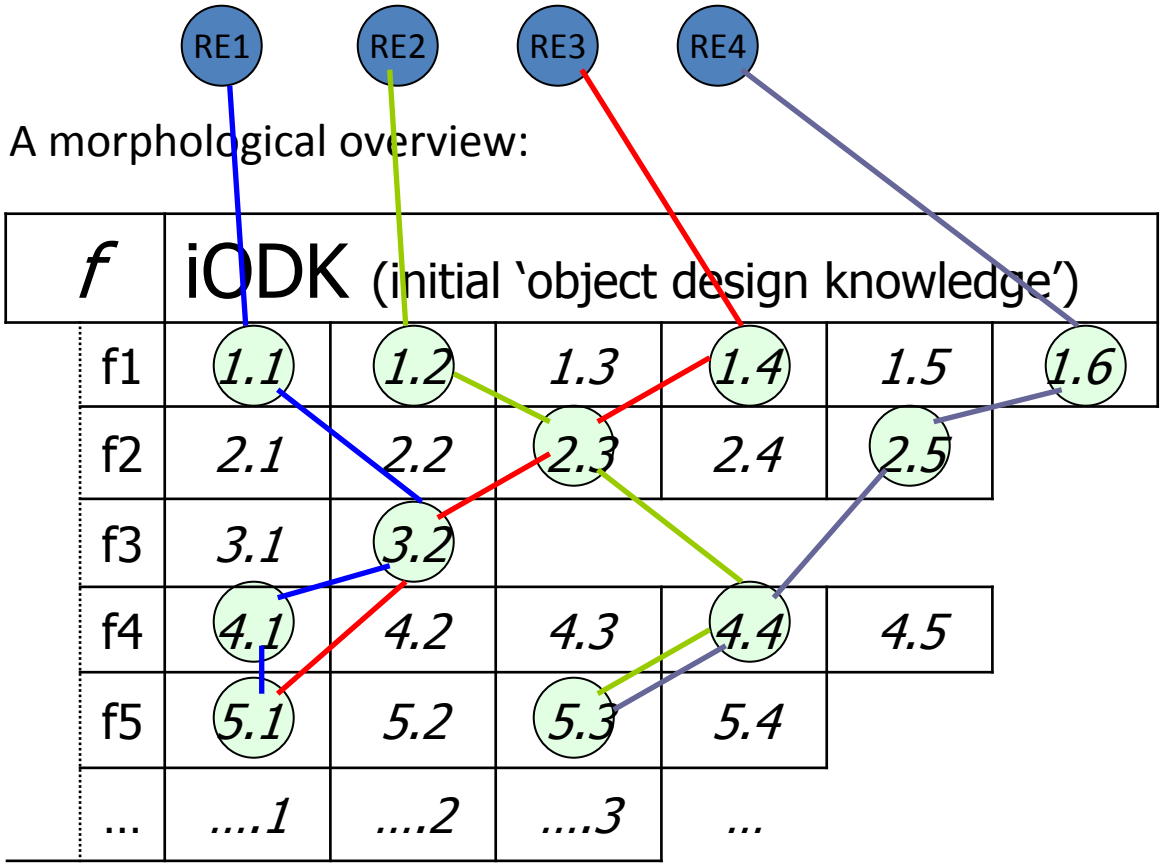
geïntegreerd vs. integraal

Kennis en concepten



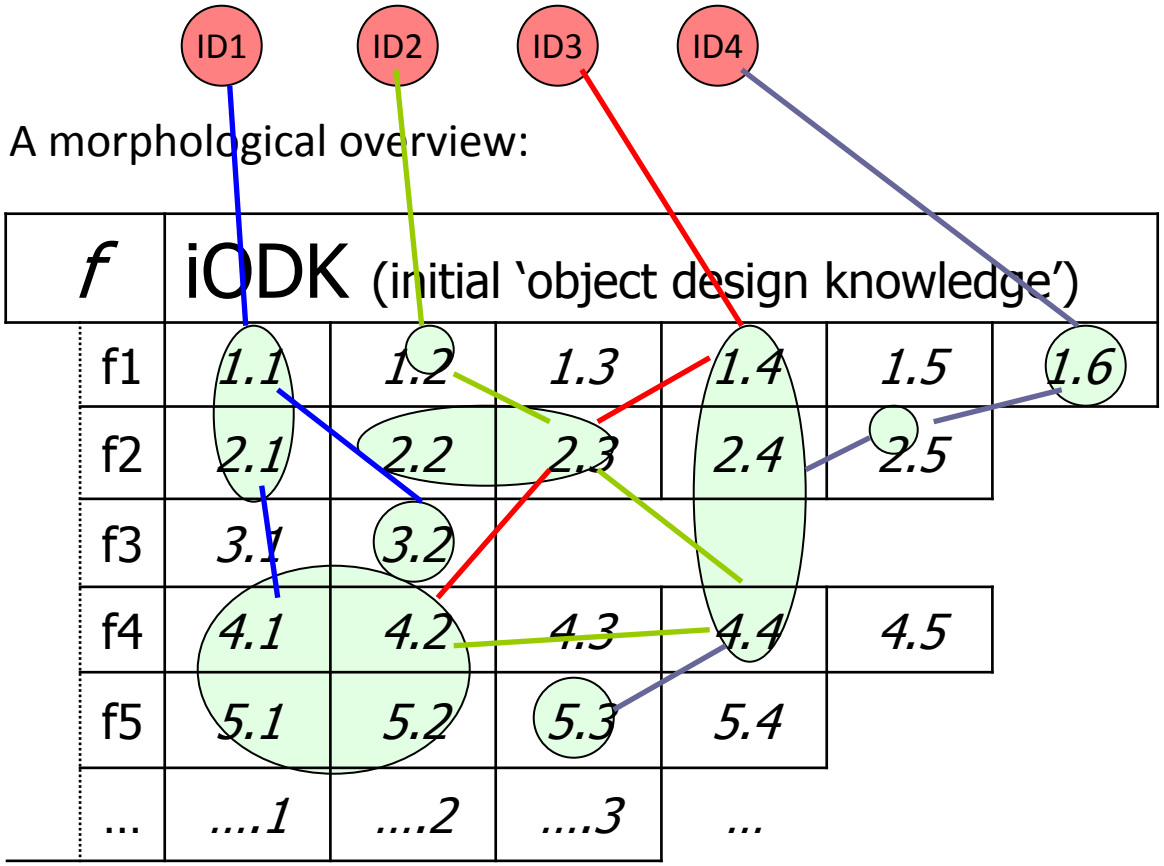
geïntegreerd vs. integraal

objectkennisintegratie



geïntegreerd vs. integraal

objectkennistransformatie



paradigma verandering!?

Probleemoplossend – reflectief