

Fourth Object-Oriented Architectural Evolution: Contribution Matrix

	Question	Resp. 1	Resp. 2	Resp. 3	Resp. 4	Resp. 5
Domain Analysis	Relating domain and architecture.	Osis				Lourenci & Zuffo
	Using domain analysis in deriving software architecture.		Andrade et al.	Wege		Cook et al.
	Predicting types of architectural evolution from domain analysis.		Osis			Cook et al.
Use of multiple arch. views	Predefined or domain-dependent set of architectural views?	Demeyer	Nowack & Bendix	Störrle	Maccari	
	Relationships between the different architectural views.			Störrle	Maccari	
	Correspondence between architectural views and styles.			Störrle	Maccari	
Layered Approach	How should the different layers be related?		Andrade et al.			
	Limited or unlimited number of layers?		Andrade et al.			
	Layering and the transition from architecture to implementation.				Maccari	
	The utility of other architectural styles than a layered one.	Demeyer	Briot & Peschanski			
	Separation of concerns (NEW)		Andrade et al.		Nowack & Bendix	Lourenci & Zuffo

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Impact of multi-layered view approach on arch. evolution	Use of views in effecting changes to SW architecture.			Wege	Nowack & Bendix	
	Distinguishing types of evolution (inter-view, intra-view, etc.).		Andrade et al.			
	The utility of the layered-view approach in synchronising architecture implementation.	Demeyer	Briot & Peschanski			
	Need for formalisms? (NEW)			Storrie		Cook et al. ---
Applicability of existing techniques	Where do existing evolution approaches fit in?	Demeyer	Andrade et al.	Wege	Nowack & Bendix	Cook et al.
	Standard object-oriented techniques in facilitating evolution etc.	Briot & Peschanski	Andrade et al.	Störrie	Maccari	Lourenci & Zuffo
	How to determine the stability of software architecture?	Osis				Cook et al.
	Assessing evolvability of architectures (NEW)					Cook et al.
Differentially supporting arch. areas (NEW)	How can we identify architectural areas that should be supported during SW development?			Wege (proposer)		
	What support should the development process give to architecture?			Wege (proposer)		