		Compilation shortcomings	MDE solutions
MDE shortcomings	Compilation solutions	IRs contain more and more	Complex data represen-
Increasing need for pars-	Efficient parsing and	complex information,	tation and Separation of
ing tools due to increase in	parser generators	more and more complex	Concerns
number of DSLs		IR processings,	
Platform Description	Capture of platform spe-	Maintainability	Homogeneization of soft-
Model	cific knowledge through		ware through generative
	dedicated descriptions		approaches
Tool efficiency and scala-	Sophisticated algorithms	Documentation	Metamodels as documen-
bility	and heuristics		tation
Increasingly complex	Know-how in sophis-	Error-prone and time con-	Automation through meta-
model transformations	ticated algorithms de-	suming development tasks	tools and metatooling
	velopment and program	Ordering of the compila-	Design-by-Contract to
	transformation paradigms	tion pass	limit possible choices to
			meaningful choices