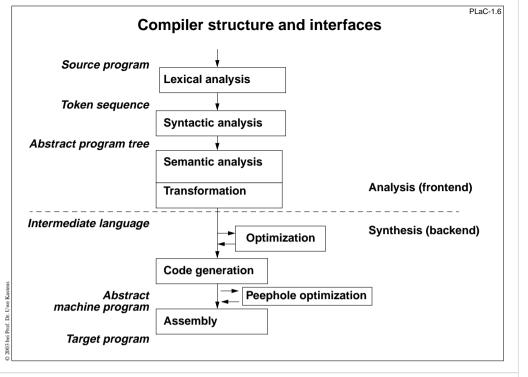
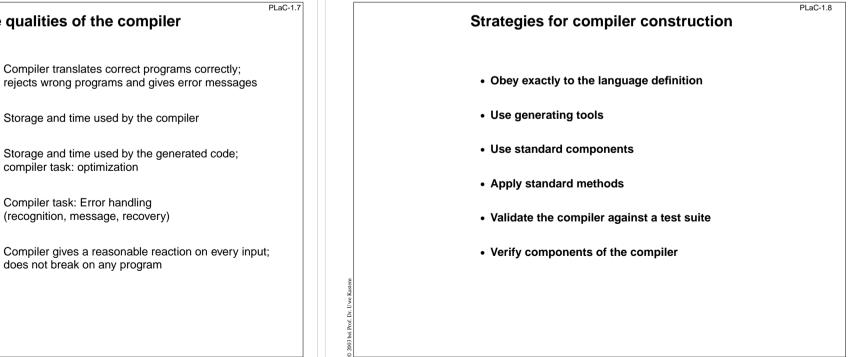


		Compiler tas	sks
Structuring	Lexical analysis		Scanning Conversion
	Syntactic analysis		Parsing Tree construction
Translation	Semantic analysis		Name analysis Type analysis
	Transformation		Data mapping Action mapping
Encoding	Code generation		Execution-order Register allocation Instruction selection
	Assembly		Instruction encoding Internal Addressing External Addressing
	Softwar	e qualities of	PLaC the compiler
Correctness		Compiler translates correct programs correctly; rejects wrong programs and gives error messages	
• Efficiency		Storage and time used by the compiler	
Code efficiency		Storage and time used by the generated code; compiler task: optimization	

(recognition, message, recovery)

does not break on any program





ă Prof. I

Robustness

