

УНИВЕРЗИТЕТ У НОВОМ САДУ ФАКУЛТЕТ ТЕХНИЧКИХ НАУКА У НОВОМ САДУ



Алекса Бајат

Интермедијарне репрезентације изворног кода у предњем крају (фронтенд-у) rustc компајлера

МАСТЕР РАД

- Мастер академске студије -

Нови Сад, (година)

КЉУЧНА ДОКУМЕНТАЦИЈСКА ИНФОРМАЦИЈА

Редни број, РБР :		
Идентификациони број, ИБР :		
Тип документације, тд :	Монографска публикација	
Тип записа, Т3 :	Текстуални штампани документ	
Врста рада, ВР :	Дипломски-мастер рад	
Аутор, АУ :	Алекса Бајат	
Ментор, МН :	доц. др Дуња Врбашки	
Наслов рада, НР :	Интермедијарне репрезентације изворног кода у предњем делу (фронтенд-у) rustc компајлера	
Језик публикације, ЈП :	Српски (ћирилица)	
Језик извода, ЈИ :	Српски / Енглески	
Земља публиковања, 3П :	Србија	
Уже географско подручје, УГП :	Војводина	
Година, ГО :	2024	
Издавач, ИЗ :	Ауторски репринт	
Место и адреса, МА :	Факултет Техничких Наука (ФТН), Д. Обрадовића 6, 21000 Нови Сад	
Физички опис рада, ФО: (поглавља/страна/ цитата/табела/слика/графика/прилога)	<mark>n/n/n/n/n/n</mark>	
Научна област, НО :	Електротехничко и рачунарско инжењерство	
Научна дисциплина, НД :	<mark>Примењене рачунарске науке и информатика</mark>	
Предметна одредница/Кqучне речи, по :	Компајлер, лексер, парсер, посредне репрезентације, rust, rustc, HIR, THIR, MIR, LLVM	
удк		
Чува се, ЧУ :	Библиотека ФТН, Д. Обрадовића 6, 21000 Нови Сад	
Важна напомена, ВН :		
Извод, ИЗ :	Кратак опис рада који стаје у три до шест реченица. Треба навести проблем који се решавао, како се проблем решавао и који су резултати.	
Датум прихватања теме, ДП :		
Датум одбране, ДО :	 	
Чланови комисије, ко: Председн	^{ик:} <mark>Кад се буде знала комисија</mark>	

Члан:	<mark>Кад се буде знала комисија</mark>	Потпис ментора
	др Дуња Врбашки, доцент	

KEY WORDS DOCUMENTATION

Identification number, INO: Document type, DT: Monographic publication Monographic publication Type of record, TR: Textual material, printed Textual materia	Accession number, ANO:		
Document type, DT: Monographic publication Type of record, TR: Textual material, printed Contents code, CC: Bachelor thesis Author, AU: Aleksa Bajat Mentor, MN: Dunja Vrbaški, PhD, assist. prof. Title, TI: Intermediate representations of the source code in the rustc compiler frontend Title, TI: Serbian (cyrillic script)/Serbian (latin script) Language of text, LT: Serbian (cyrillic script)/Serbian (latin script) Language of abstract, LA: Serbian/English Country of publication, CP: Serbia Locality of publication, LP: Vojvodina Publication year, PY: 2024 Publisher, PB: Author reprint Publisher, PB: Author reprint Publication place, PP: Faculty of Technical Sciences, D. Obradovića 6, 21000 Novi Sad Physical description, PD: Monitorin/In/In/In/In/In/In/In/In/In/In/In/In/In	Identification number, INO :		
Type of record, TR: Textual material, printed Contents code, CC: Bachelor thesis Author, AU: Aleksa Bajat Mentor, MN: Dunja Vrbaški, PhD, assist. prof. Title, TI: Intermediate representations of the source code in the rustc compiler frontend Language of text. LT: Serbian (cyrillic script)/Serbian (latin script) Language of abstract, LA: Serbian/English Country of publication, CP: Serbia Locality of publication, LP: Vojvodina Publication year, PY: 2024 Publisher, PB: Author reprint Publication place, PP: Faculty of Technical Sciences, D. Obradovića 6, 21000 Novi Sad Physical description, PD: Minimizer preprint (ability) properties and computer engineering Scientific field, SF: Electrical and computer engineering Scientific field discipline, SD: Applied computer science and informatics Subject/Key words, S/KW: MIR, LLYM UC Holding data, HD: Library of the Faculty of Technical Sciences, D. Obradovića 6, 21000 Novi Sad Note, N: Abstract, AB: Dopuniti Accepted by the Scientific Board on, ASB: Defended on, DE: President: Kag ce 6yge знала комисија	Document type, DT :	Monographic publication	
Contents code, CC: Bachelor thesis Author, AU: Aleksa Bajat Mentor, MN: Dunja Vrbaški, PhD, assist. prof. Title, TI: Intermediate representations of the source code in the rustc compiler frontend Language of text, LT: Serbian (cyrillic script)/Serbian (latin script) Language of abstract, LA: Serbian/English Country of publication, CP: Serbia Locality of publication, LP: Vojvodina Publication year, PY: 2024 Publisher, PB: Author reprint Publication place, PP: Faculty of Technical Sciences, D. Obradovića 6, 21000 Novi Sad Physical description, PD: (halpterspages/erf. fubliose)curve/graphs/appendixes) Scientific field, SF: Electrical and computer engineering Scientific discipline, SD: Applied computer science and informatics Subject/Key words, S/KW: Compiler, Iexer, parser, intermediate representations, rust, rusto, HIR, THIR, MIR, LLVM UC Holding data, HD: Library of the Faculty of Technical Sciences, D. Obradovića 6, 21000 Novi Sad Note, N: Abstract, AB: popuniti Accepted by the Scientific Board on, ASB: Defended On, DE: Resident: Kag ce 6yge знала комисија Kag ce 6yge знала комисија			
Mentor, MN: Dunja Vrbaški, PhD, assist, prof. Title, TI: Intermediate representations of the source code in the rustc compiler frontend Language of text, LT: Serbian (cyrillic script)/Serbian (latin script) Language of abstract, LA: Serbian/English Country of publication, CP: Serbia Locality of publication, LP: Vojvodina Publication year, PY: 2024 Publisher, PB: Author reprint Publication place, PP: Faculty of Technical Sciences, D. Obradovića 6, 21000 Novi Sad Physical description, PD: chapters/pages/ref / tables/peturs/graphs/appendxen) Scientific field, SF: Electrical and computer engineering Scientific discipline, SD: Applied computer science and informatics Subject/Key words, S/KW: Compiler, lexer, parser, intermediate representations, rust, rustc, HIR, THIR, MR, LLVM UC Holding data, HD: Library of the Faculty of Technical Sciences, D. Obradovića 6, 21000 Novi Sad Note, N: Abstract, AB: popuniti Accepted by the Scientific Board on, ASB: Defended on, DE: President: Kag ce буде знала комисија			
Mentor, MN: Dunja Vrbaški, PhD, assist, prof. Title, TI: Intermediate representations of the source code in the rustc compiler frontend Language of text, LT: Serbian (cyrillic script)/Serbian (latin script) Language of abstract, LA: Serbian/English Country of publication, CP: Serbia Locality of publication, LP: Vojvodina Publication year, PY: 2024 Publisher, PB: Author reprint Publication place, PP: Faculty of Technical Sciences, D. Obradovića 6, 21000 Novi Sad Physical description, PD: chapters/pages/ref / tables/peturs/graphs/appendxen) Scientific field, SF: Electrical and computer engineering Scientific discipline, SD: Applied computer science and informatics Subject/Key words, S/KW: Compiler, lexer, parser, intermediate representations, rust, rustc, HIR, THIR, MR, LLVM UC Holding data, HD: Library of the Faculty of Technical Sciences, D. Obradovića 6, 21000 Novi Sad Note, N: Abstract, AB: popuniti Accepted by the Scientific Board on, ASB: Defended on, DE: President: Kag ce буде знала комисија		Aleksa Bajat	
Intermediate representations of the source code in the rustc compiler frontend Language of text, LT: Serbian (cyrillic script)/Serbian (latin script) Language of abstract, LA: Serbian/English Country of publication, CP: Serbia Locality of publication, LP: Vojvodina Publication year, PY: 2024 Publisher, PB: Author reprint Publication place, PP: Faculty of Technical Sciences, D. Obradovića 6, 21000 Novi Sad Physical description, PD: (chapters) pages/ref. Infliesipstures/graphs/appendixes) Scientific field, SF: Electrical and computer engineering Scientific discipline, SD: Applied computer science and informatics Subject/Key words, S/KW: Compiler, lexer, parser, intermediate representations, rust, rustc, HIR, THIR, MIR, LIVM UC Holding data, HD: Library of the Faculty of Technical Sciences, D. Obradovića 6, 21000 Novi Sad Note, N: Abstract, AB: popuniti Accepted by the Scientific Board on, ASB: Defended on, DE: President: (Kaz ce буде знала комисија			
Language of abstract, LA: Country of publication, CP: Locality of publication, LP: Volvodina Publication year, PY: 2024 Publisher, PB: Author reprint Publication place, PP: Faculty of Technical Sciences, D. Obradoviča 6, 21000 Novi Sad Physical description, PD: (hapdrehyages/ref.hables/pictures/graphs/appendixes) Scientific field, SF: Electrical and computer engineering Scientific discipline, SD: Applied computer science and informatics Subject/Key words, S/KW: Compiler, lexer, parser, intermediate representations, rust, rustc, HIR, THIR, MIR, LLVM UC Holding data, HD: Library of the Faculty of Technical Sciences, D. Obradovića 6, 21000 Novi Sad Note, N: Abstract, AB: Dopuniti Accepted by the Scientific Board on, ASB: Defended on, DE: Defended Board, DB: President: Kaz ce буде знала комисија	Title, TI :		he rustc compiler
Country of publication, CP: Serbia Locality of publication, LP: Vojvodina Publication year, PY: 2024 Publisher, PB: Author reprint Publication place, PP: Faculty of Technical Sciences, D. Obradovića 6, 21000 Novi Sad Physical description, PD: (chapters/pages/ref./fables/pic/tures/graphs/appendixes) Scientific field, SF: Electrical and computer engineering Scientific discipline, SD: Applied computer science and informatics Subject/Key words, S/KW: Compiler, lexer, parser, intermediate representations, rust, rustc, HIR, THIR, MIR, LLVM UC Holding data, HD: Library of the Faculty of Technical Sciences, D. Obradovića 6, 21000 Novi Sad Note, N: Abstract, AB: Dopuniti Accepted by the Scientific Board on, ASB: Defended on, DE: Capter of the Science of th	Language of text, LT :	Serbian (cyrillic script)/Serbian (latin script)	
Locality of publication, LP: Vojvodina Publication year, PY: 2024 Publisher, PB: Author reprint Publication place, PP: Faculty of Technical Sciences, D. Obradovića 6, 21000 Novi Sad Physical description, PD: Author reprint Publication place, PP: Faculty of Technical Sciences, D. Obradovića 6, 21000 Novi Sad Physical description, PD: Author/n/n/n (chapters/pages/ref. fables/pictures/graphs/appendixes) Scientific field, SF: Electrical and computer engineering Scientific discipline, SD: Applied computer science and informatics Subject/Key words, S/KW: Compiler, lexer, parser, intermediate representations, rust, rustc, HIR, THIR, MIR, LLVM UC Holding data, HD: Library of the Faculty of Technical Sciences, D. Obradovića 6, 21000 Novi Sad Note, N: Abstract, AB: popuniti Accepted by the Scientific Board on, ASB: Defended on, DE: Defended Board, DB: President: Kag ce буде знала комисија	Language of abstract, LA :	Serbian/English	
Publication year, PY: 2024 Publisher, PB: Author reprint Publication place, PP: Faculty of Technical Sciences, D. Obradovića 6, 21000 Novi Sad Physical description, PD: (hapters/pages/ref./tables/pictures/graphs/appendixes) Scientific field, SF: Electrical and computer engineering Scientific discipline, SD: Applied computer science and informatics Subject/Key words, S/KW: Compiler, lexer, parser, intermediate representations, rust, rustc, HIR, THIR, MIR, LLVM UC Holding data, HD: Library of the Faculty of Technical Sciences, D. Obradovića 6, 21000 Novi Sad Note, N: Abstract, AB: popuniti Accepted by the Scientific Board on, ASB: Defended on, DE: Defended Board, DB: President: Kag ce буде знала комисија	Country of publication, CP :	Serbia	
Publisher, PB: Author reprint Publication place, PP: Faculty of Technical Sciences, D. Obradovića 6, 21000 Novi Sad Physical description, PD: (chapters/pages/ref./tables/pictures/graphs/appendixes) Scientific field, SF: Electrical and computer engineering Scientific discipline, SD: Applied computer science and informatics Subject/Key words, S/KW: Compiler, lexer, parser, intermediate representations, rust, rustc, HIR, THIR, MIR, LLVM UC Holding data, HD: Library of the Faculty of Technical Sciences, D. Obradovića 6, 21000 Novi Sad Note, N: Abstract, AB: popuniti Accepted by the Scientific Board on, ASB: Defended on, DE: Defended Board, DB: President: Kag ce 6/yze знала комисија	Locality of publication, LP :	Vojvodina	
Publication place, PP: Faculty of Technical Sciences, D. Obradovića 6, 21000 Novi Sad Physical description, PD: (chapters/pages/ref./fables/pictures/graphs/appendixes) Scientific field, SF: Electrical and computer engineering Scientific discipline, SD: Applied computer science and informatics Subject/Key words, S/KW: Compiler, lexer, parser, intermediate representations, rust, rustc, HIR, THIR, MIR, LLVM UC Holding data, HD: Library of the Faculty of Technical Sciences, D. Obradovića 6, 21000 Novi Sad Note, N: Abstract, AB: popuniti Accepted by the Scientific Board on, ASB: Defended on, DE: Defended Board, DB: President: Kag ce буде знала комисија	Publication year, PY :	2024	
Physical description, PD: (chapters/pages/ref./fables/pictures/graphs/appendixes) Scientific field, SF: Scientific discipline, SD: Applied computer science and informatics Subject/Key words, S/KW: Compiler, lexer, parser, intermediate representations, rust, rustc, HIR, THIR, MIR, LLVM UC Holding data, HD: Library of the Faculty of Technical Sciences, D. Obradovića 6, 21000 Novi Sad Note, N: Abstract, AB: Dopuniti Accepted by the Scientific Board on, ASB: Defended on, DE: Defended Board, DB: President: Kad ce буде знала комисија	Publisher, PB :	Author reprint	
Scientific field, SF: Electrical and computer engineering Scientific discipline, SD: Applied computer science and informatics Subject/Key words, S/KW: Compiler, lexer, parser, intermediate representations, rust, rustc, HIR, THIR, MIR, LLVM UC Library of the Faculty of Technical Sciences, D. Obradovića 6, 21000 Novi Sad Note, N: Abstract, AB: Popuniti popuniti Accepted by the Scientific Board on, ASB: Defended on, DE: Defended Board, DB: President: Kad се буде знала комисија	Publication place, PP :		
Scientific discipline, SD: Applied computer science and informatics Subject/Key words, S/KW: Compiler, lexer, parser, intermediate representations, rust, rustc, HIR, THIR, MIR, LLVM UC Holding data, HD: Library of the Faculty of Technical Sciences, D. Obradovića 6, 21000 Novi Sad Note, N: Abstract, AB: popuniti Accepted by the Scientific Board on, ASB: Defended on, DE: Defended Board, DB: President: Кад се буде знала комисија		<mark>n/n/n/n/n/n</mark>	
Subject/Key words, S/KW: Compiler, lexer, parser, intermediate representations, rust, rustc, HIR, THIR, MIR, LLVM UC Holding data, HD: Library of the Faculty of Technical Sciences, D. Obradovića 6, 21000 Novi Sad Note, N: Abstract, AB: popuniti Accepted by the Scientific Board on, ASB: Defended on, DE: Defended Board, DB: President: Kad се буде знала комисија	Scientific field, SF :	Electrical and computer engineering	
MIR, LLVM UC Holding data, HD: Library of the Faculty of Technical Sciences, D. Obradovića 6, 21000 Novi Sad Note, N: Abstract, AB: popuniti Accepted by the Scientific Board on, ASB: Defended on, DE: Defended Board, DB: President: Kad ce буде знала комисија	Scientific discipline, SD :	Applied computer science and informatics	
Holding data, HD: Note, N: Abstract, AB: Accepted by the Scientific Board on, ASB: Defended on, DE: Defended Board, DB: Library of the Faculty of Technical Sciences, D. Obradovića 6, 21000 Novi Sad Popuniti Kад се буде знала комисија	Subject/Key words, S/KW :		
Note, N: Abstract, AB: Popuniti Accepted by the Scientific Board on, ASB: Defended on, DE: Defended Board, DB: President: Kag ce буде знала комисија	uc		
Abstract, AB: Accepted by the Scientific Board on, ASB: Defended on, DE: Defended Board, DB: President: Кад се буде знала комисија	Holding data, HD :		
Accepted by the Scientific Board on, ASB: Defended on, DE : Defended Board, DB : President: Кад се буде знала комисија	Note, N:		
Accepted by the Scientific Board on, ASB: Defended on, DE: Defended Board, DB: President: Кад се буде знала комисија	Abstract, AB :	popuniti 	
Defended Board, DB : President: Кад се буде знала комисија	ASB:		
nad ee oyde shaha kommonja		Кал се буле знала комисија	
IVIV.1111.V.1.		i	14

Monto.	Member, Dunja Vrbaški, Mentor:	PhD, assist. prof.
--------	--------------------------------	--------------------



УНИВЕРЗИТЕТ У НОВОМ САДУ • ФАКУЛТЕТ ТЕХНИЧКИХ НАУКА

21000 НОВИ САД, Трг Доситеја Обрадовића 6

ЗАДАТАК ЗА МАСТЕР РАД

Број:	
_	
Датум:	

СТУДИЈСКИ ПРОГРАМ:	РАЧУНАРСТВО И АУТОМАТИКА
РУКОВОДИЛАЦ СТУДИЈСКОГ ПРОГРАМА:	

Студент:		Број индекса:	
Област:			
Ментор:	доц. др Дуња Врбашки		

НА ОСНОВУ ПОДНЕТЕ ПРИЈАВЕ, ПРИЛОЖЕНЕ ДОКУМЕНТАЦИЈЕ И ОДРЕДБИ СТАТУТА ФАКУЛТЕТА ИЗДАЈЕ СЕ ЗАДАТАК ЗА ДИПЛОМСКИ – MACTEP PAД, СА СЛЕДЕЋИМ ЕЛЕМЕНТИМА:

- проблем тема рада;
- начин решавања проблема и начин практичне провере резултата рада, ако је таква провера неопходна;

НАСЛОВ ДИПЛОМСКОГ- МАСТЕР РАДА:

Попуњавамо на крају кад пријавимо тему и комисију на сервису

ТЕКСТ ЗАДАТКА:

Попуњавамо на крају кад пријавим	о тему и комисију на сервису
	1
Руководилац студијског програма:	Ментор рада:
	•
Примерак за: Ступента: Посије стуг	HOUTO: MOUTOPS: