riscv / riscv-isa-manual Public	
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Compressed Extension, Immediates, Offsets, etc. #830 Open saahm opened this issue on Mar 18 · 0 comments)
saahm commented on Mar 18	
Hey, I'm currently working with the ISA for the C-Extension and noticed there is a lot of different scrain immediates and offsets for some instructions.	mbled
As someone who implements parts of the ISA I found the RV32I way of describing immediates very The diagram in figure 2.4 in the RV32I section was insightful for what would else be described in Now for the C-Extension I run into this issue, where its not entirely clear how an immediate/offse encoded value is extended (especially with the formulations alone the idea of "scaled by 8" etc.). Generally it feels like the C-Extension ISA is written very concise (not to say compressed). While on the relevant ideas it also shouldn't let the be confused about the formulation (that seems to I different from lets say RV32I or M in the specification). I found other issues that mention similar example #389 #509 #583).	n text only. et/etc. only focusing be a bit
I do understand that due to the nature of the C-Extension there is a big variety in the immediate that should not cause the reader of the specification to spend time deciphering how to build cer immediate values. Tho having a table similar to the RV32I figure 2.4 with a clear description on himmediate/offset values are built, extended and ordered from the instruction would help to add clarity to the specification.	rtain now the
Assignees No one assigned	
Labels	
None yet	
Projects	
None yet	

Milestone		
No milestone		
Development		
No branches or pull requests		

1 participant

