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Title:	Remarks on iterations of the A1-chain connected components construction.
Authors:	Balwe, Chetan (/jspui/browse?type=author&value=Balwe%2C+Chetan) Rani, Bandna (/jspui/browse?type=author&value=Rani%2C+Bandna) Sawant, Anand (/jspui/browse?type=author&value=Sawant%2C+Anand)
Keywords:	Morel's conjecture chain connected components
Issue Date:	2022
Publisher:	Mathematical Sciences Publishers
Citation:	Annals of K-Theory, 7(2), 385--394.
Abstract:	We show that the sheaf of A^1 - connected components of a Nisnevich sheaf of sets and its universal A^1 - invariant quotient (obtained by iterating the A^1 - chain connected components construction and taking the direct limit) agree on field-valued points. This establishes an explicit formula for the field-valued points of the sheaf of A^1 - connected components of any space. Given any natural number n, we construct an A^1-connected space on which the iterations of the naive A^1 - connected components construction do not stabilize before the n-th stage.
Description:	Only IISER Mohali authors are available in the record.
URI:	https://doi.org/10.2140/akt.2022.7.385 (https://doi.org/10.2140/akt.2022.7.385) http://hdl.handle.net/123456789/5123 (http://hdl.handle.net/123456789/5123)
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