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	The 49th IEEE International Symposium on Multiple-Valued Logic (ISMVL 2019)
	Finite model property for modal ideal paraconsistent four-valued logic
	○ <u>Norihiro Kamide</u> , Yoni Zohar
	A modal extension M4CC of Arieli, Avron, and Zamansky's ideal paraconsistent four-valued logic 4CC is introduced as a Gentzen-type sequent calculus. The completeness theorem with respect to a Kripke semantics for M4CC is proved. The finite model property for M4CC is shown by modifying the completeness proof. The decidability of M4CC is obtained as a corollary.