

**REVIEW OF “CONSISTENCY OF THE INTENSIONAL LEVEL  
OF THE MINIMALIST FOUNDATION WITH CHURCH’S  
THESIS AND AXIOM OF CHOICE” BY HAJIME ISHIHARA,  
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The results of the paper concern  $MLtt_1$ , a substantial fragment of intensional Martin-Löf type theory (MLTT), and a formal type theoretic version CT of Church’s thesis.  $MLtt_1$  contains the type constructors  $N_0$ ,  $N_1$ ,  $\Sigma$ ,  $\Pi$ ,  $+$ , List, Id, and U, where U denotes the universe of types closed under the preceding constructors.  $MLtt_1$  does not contain the  $\xi$ -rule, a principle of functional extensionality present in intensional MLTT.

It is shown how to interpret  $MLtt_1$  and CT in Feferman’s theory  $\widehat{ID}_1$ . Thus,  $MLtt_1+CT$  is consistent relative to  $\widehat{ID}_1$ . The consistency of CT with the full intensional MLTT is an open problem, while CT is not consistent with extensional MLTT+AC (axiom of choice).

The authors present the results in the wider context of Sambin’s and Maietti’s works on Minimalist Foundation.