

# De Jongh's Theorem for Intuitionistic Zermelo-Fraenkel Set Theory

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We prove that the propositional logic of intuitionistic set theory IZF is intuitionistic propositional logic **IPC**. More generally, we show that IZF has the de Jongh property with respect to every intermediate logic that is complete with respect to a class of finite trees. The same results follow for constructive set theory CZF.

## References

- [1] Robert Passmann, De Jongh's Theorem for Intuitionistic Zermelo-Fraenkel Set Theory, [arXiv:1905.04972](https://arxiv.org/abs/1905.04972) [math.LO].