



HoTT lecture 12 Q&A (Solved)

HoTTEST Summer School 2022

The HoTTEST TAs

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Q Don't we run into impredicativity issues by taking power sets like that?

Great question! If we're sticking with \mathbf{dProp} , then we never will as we can always stay in \mathcal{U}_0 , because \mathbf{dProp} w.r.t. any universe is equivalent to $\mathbf{2}$. In general, it depends what you do. Just because your powersets live in universe up, doesn't necessarily get you into trouble.