Freedman 原論文に学ぶ
資料２ (by 山田裕一)

“Design”: Cantor set と CH の reimbedding

研究集会「Casson-Freedman 理論 研究会」(２００９年１０月) の参考のために作成しました.[1] 集会後に一部 修正しました.

修正点 (10 月 27 日, 2009 年)

・Cantor set に パラメトライズされた Casson handle の包含族 $\{\mathrm{CH}_r\}_{r\in\mathrm{CS}}$ について “0” の意味を修正.

・Diagram 5.4 の Y の添字を修正.

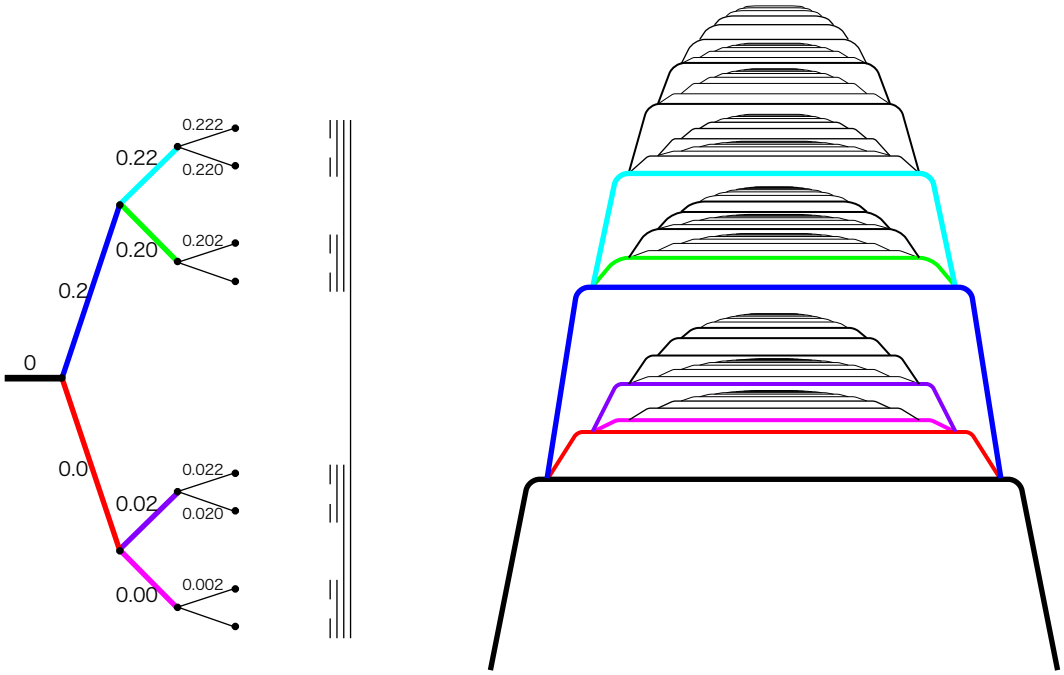

Figure 1: Cantor Set and Towers in CH

[1]This work was supported by KAKENHI (Grant-in-Aid for Scientific Research) No. 21540072.

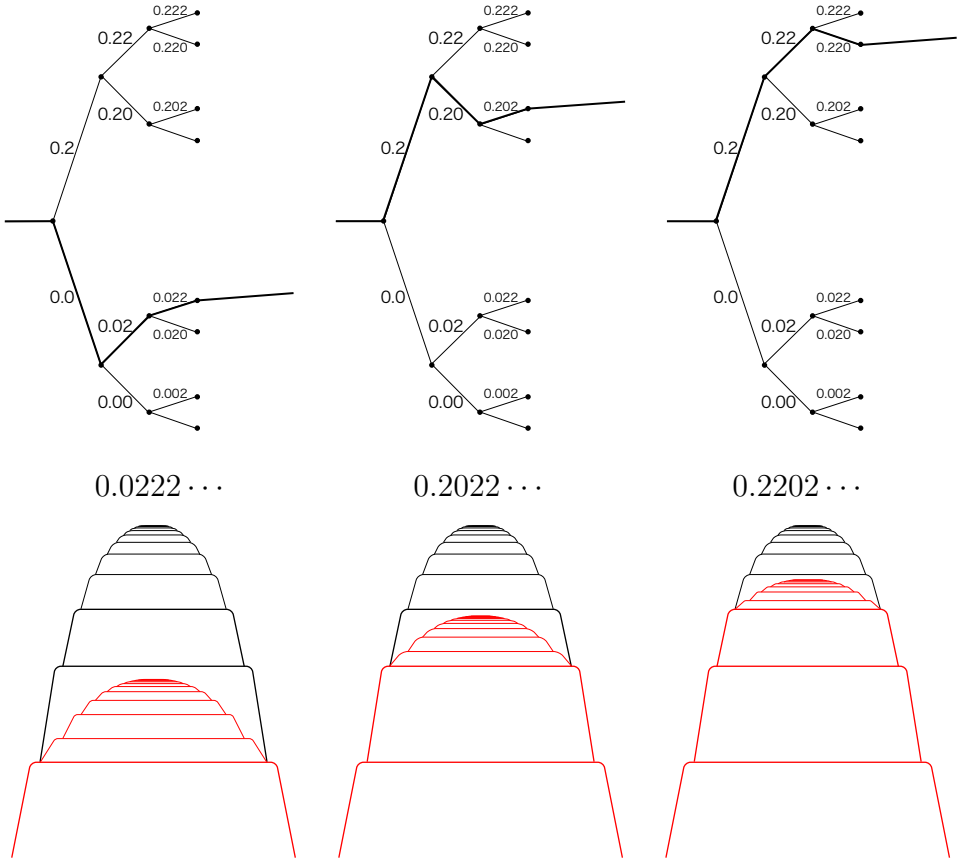

Figure 2: Inner Towers parametrized by the Cantor set p.399

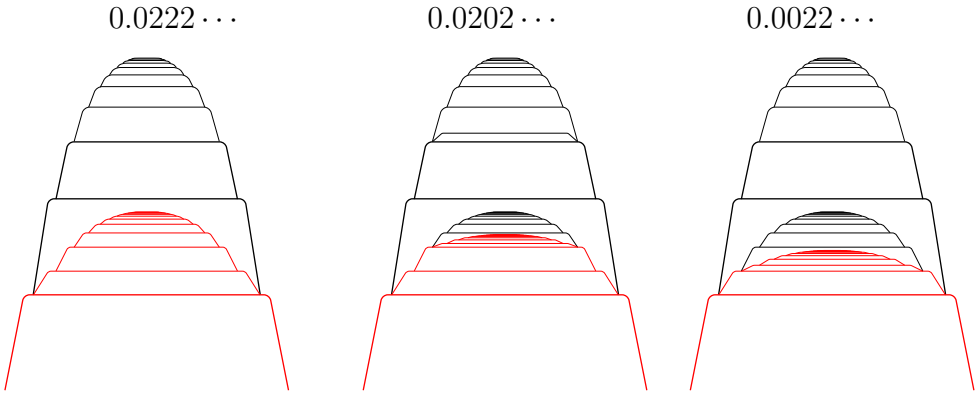

Figure 3: Tower $0.0222\cdots$ contains towers $0.00222\cdots$, $0.02022\cdots$

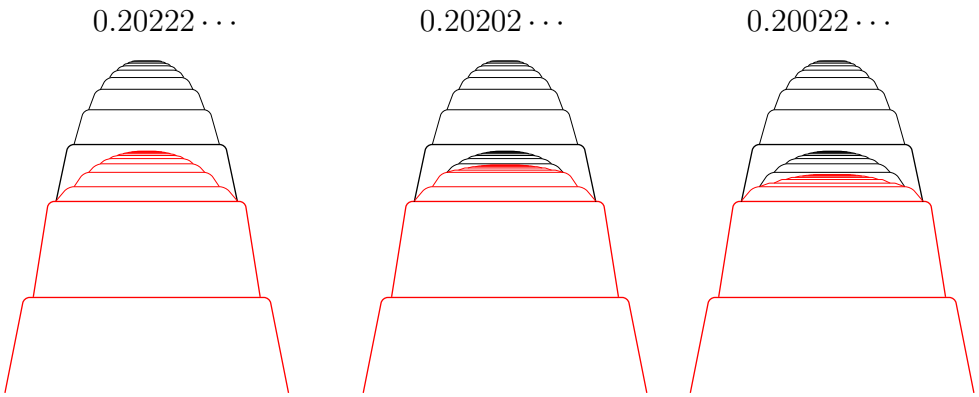

Figure 4: Tower $0.20222\cdots$ contains towers $0.20022\cdots$, $0.20202\cdots$

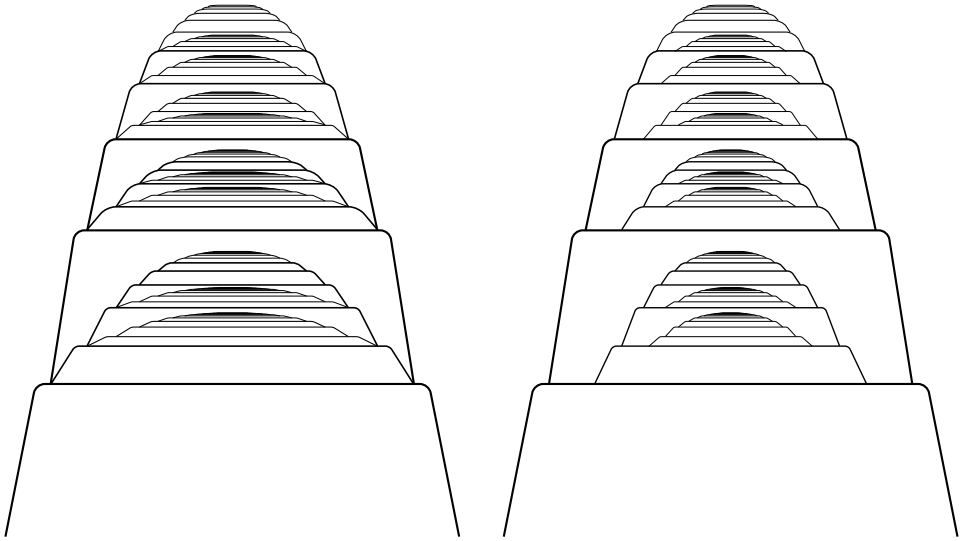

Figure 5: Union of the inner towers (but drawn only finite times), its perturb at the attaching parts

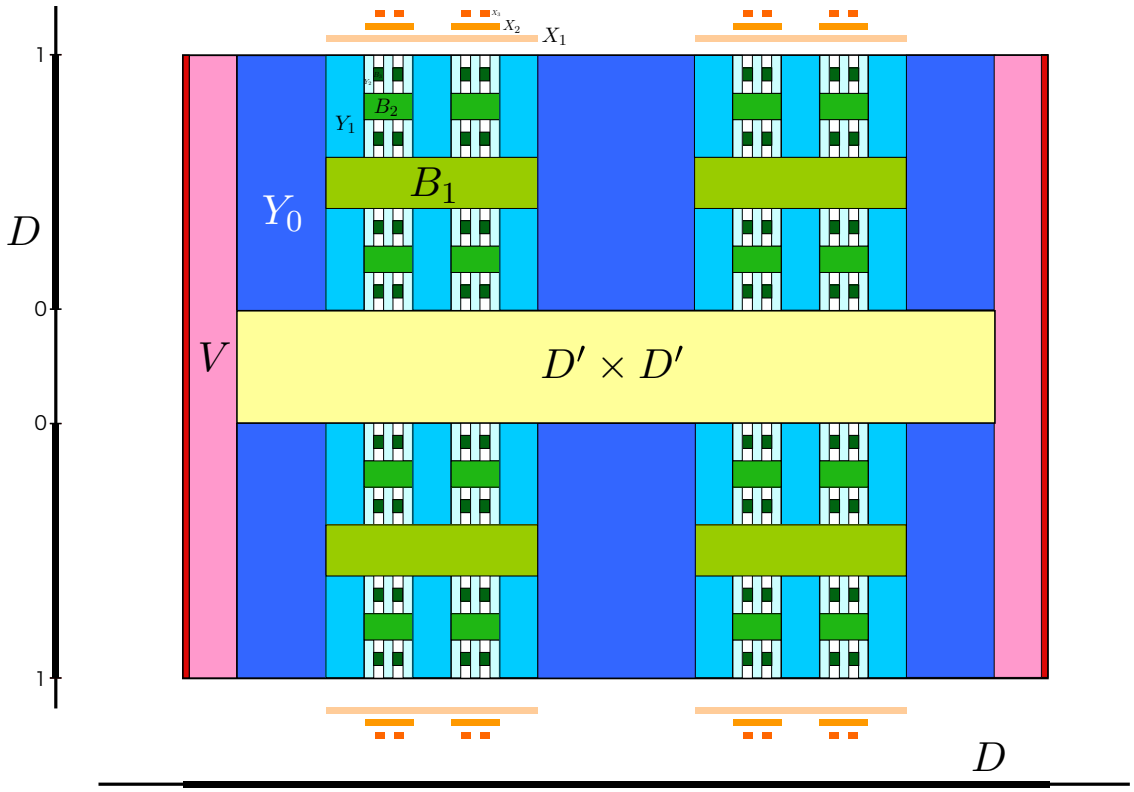

Figure 6: Diagram 5.4 p.402

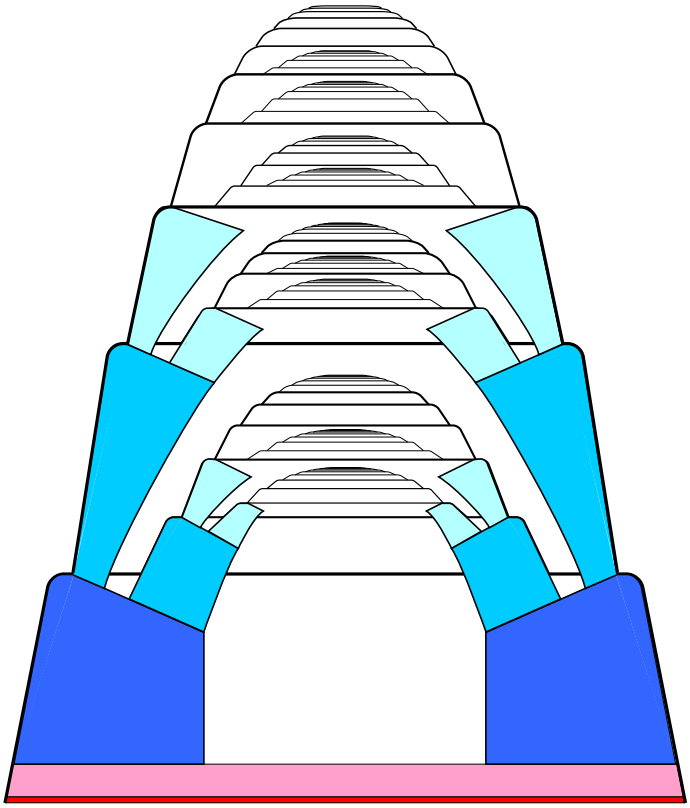

Figure 7: Diagram 5.5 $(\mathrm{Im}(g : \mathcal{D} \to \mathrm{CH}))$