

Xylulose purity can be further enhanced by conducting 2 stage back-extraction w/ \oplus Framp. II. Smooth.

rewrite after seeing run Fig. 8a

Are shown in Figure 8a.

~~process for one-stage and two-stage BE are shown in Figure 8.~~ ~~The purity achieved with cycles of transient SIRE is higher than that achieved with equilibrium SIRE for comparable levels of xylulose yield.~~ ~~Yield can be enhanced by conducting multiple cycles of SIRE. After four cycles, yield is increased from 19% to 45%.~~ ~~Multiple cycles of transient SIRE can be further enhanced by conducting two-stage BE.~~ ~~After two cycles of transient SIRE with two-stage BE, xylulose purity was comparable to that seen with equilibrium SIRE, but overall xylulose yield was 50% higher (compare to Figure 5, 16% versus 25% yield).~~ ~~For successive cycles of transient SIRE with two-stage BE, the xylulose purity was 88% or higher, which is 25-30% higher than that achieved with one-stage BE with only a 5% loss in yield relative to the one-stage BE results.~~ ~~This is because the concentration of fructose is very low and xylulose is~~

don't know what this means.
Can we replace w/ "for all six cycles (over 80% compared to 61% - see Fig. 5).
Very little xylulose is lost during the first stage of BE because the concentration of fructose is very low and xylulose is



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