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Anatoly Libgober* (libgober@uic.edu), Department of Mathematics, 851 S.Morgan Str.,
Chicago, IL. *Calabi-Yau threefolds from plane singular curves*. Preliminary report.

We shall describe a construction of isotrivial elliptically fibered Calabi-Yau threefolds having positive Mordell-Weil rank associated with plane curves with mild singularities. The rank of such threefolds is related to the rank of abelianization of commutator of the fundamental group of the complement to the curve. I also will discuss methods for calculation of Mordell-Weil ranks for elliptic threefolds corresponding to curves with large number of ordinary cusps. (Received January 13, 2014)