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Elias Mochan* (j.mochanquesnel@northeastern.edu), **Isabel Hubard** (isahubard@im.unam.mx) and **Antonio Montero** (amontero@im.unam.mx). *Voltage operations, part 2.*

In this talk we will further explore voltage operations (introduced in the previous talk by Isabel Hubard). If a maniplex \mathcal{M} has symmetry type graph \mathcal{X} we can recover \mathcal{M} from \mathcal{X} using a voltage assignment. Given a voltage operation \mathcal{O} , we will see how to easily construct a voltage graph that recovers the maniplex $\mathcal{O}(\mathcal{M})$. We will use this construction to study voltage operations applied to regular (reflexive) maniplexes and to describe the composition of two voltage operations as a voltage operation. Finally we will characterize all the operations that can be viewed as voltage operations with respect to a constant voltage operator. (Received January 25, 2022)