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Near-ringoids of operations

When we consider unary operations acting on homotopy groups or cohomology groups, there's an issue with the algebra of operations: it's not an algebra. (a) Operations between different degrees give a "many objects" structure; that's the "oid" part. (b) The presence of non-additive operations means that composition is only linear in one variable rather than bilinear; that's the "near" part. We will discuss some of the algebraic structure of near-ringoids, as well as examples from homotopy theory. Based on joint work with Manak Singh.