

Berger, Clemens**Combinatorial models for real configuration spaces and E_n -operads.** (English) [Zbl 0860.18001](#)

Loday, Jean-Louis (ed.) et al., Operads: Proceedings of renaissance conferences. Special session and international conference on moduli spaces, operads, and representation theory/operads and homotopy algebra, March 1995/May–June 1995, Hartford, CT, USA/Luminy, France. Providence, RI: American Mathematical Society. Contemp. Math. 202, 37-52 (1997).

Summary: We define several partially ordered sets with the equivariant homotopy type of real configuration spaces $F(\mathbb{R}^n, p)$. The main tool is a general method for constructing E_n -suboperads of a given E_∞ -operad by appropriate cellular subdivision.

For the entire collection see [\[Zbl 0855.00018\]](#).

MSC:

18B35 Preorders, orders, domains and lattices (viewed as categories)
06A07 Combinatorics of partially ordered sets
20B30 Symmetric groups

Cited in **3** Reviews
Cited in **20** Documents

Keywords:

E_∞ -operad; partially ordered sets; equivariant homotopy type; real configuration spaces; cellular subdivision