Endpoint-homogeneous smooth fans

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We show that all endpoint-homogeneous fans have a specific property regarding the limit points of the endpoints. We work with this property to give necessary conditions for endpoint-homogeneous smooth fans and construct an uncountable family of such fans which are pairwise non-homeomorphic. Finally, we focus on $\frac{1}{n}$-homogeniety and state some open problems. This is joint work with professor Will Brian of UNC Charlotte.

References

[1] G. Acosta, L. Hoehn, and Y. Pacheco-Juárez, "Homogeneity degree of fans," *Topology and its Applications* **231** (2017), pp. 320–328.

[2] G. Acosta and Y. Pacheco-Juárez, "$\frac{1}{3}$-homogeneous dendrites," *Topology and its Applications* **219** (2017), pp. 55–77.

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