

Arreglos de hiperplanos

Mariano Suárez-Alvarez

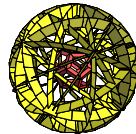
Reunión de la Unión Matemática Argentina
Septiembre 2008, Mendoza

Bibliografía

- ▶ Peter Orlik, Hiroaki Terao, *Arrangements of hyperplanes*, 2nd ed., MSJ Memoirs, vol. 9, Mathematical Society of Japan, Tokyo, 2007.
- ▶ Richard Stanley, *Introduction to hyperplane arrangements*, IAS/Park City Math. Ser., vol. 13, Amer. Math. Soc., Providence, RI, 2007.
<http://www-math.mit.edu/~rstan/arrangements/arr.html>

Poliedros en \mathbb{R}^3

Poliedros en \mathbb{R}^3



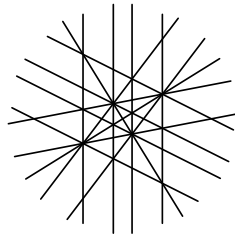
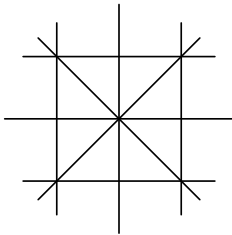
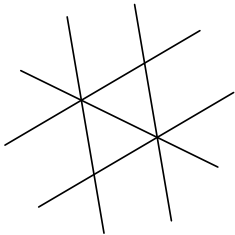
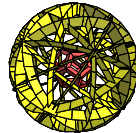
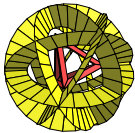
Poliedros en \mathbb{R}^4

Poliedros en \mathbb{R}^4

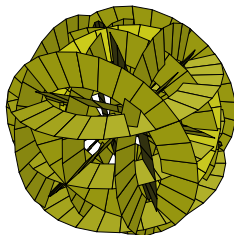
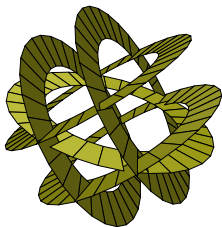
¿?

Deconificación

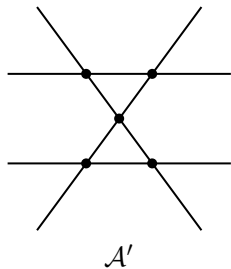
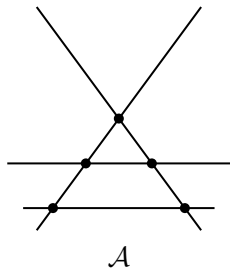
Deconificación: poliedros en \mathbb{R}^3



Deconificación: poliedros en \mathbb{R}^4

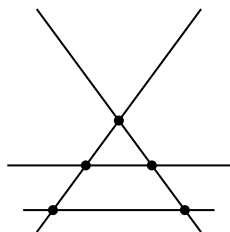


Equivalencia combinatoria

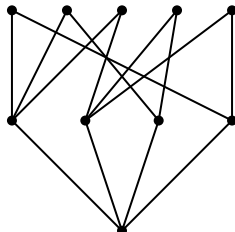


Dos arreglos no afinmente equivalentes con el mismo poset de intersección.

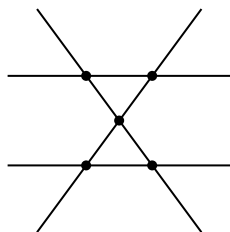
Equivalencia combinatoria



\mathcal{A}



$L(\mathcal{A}) \cong L(\mathcal{A}')$



\mathcal{A}'

Dos arreglos no afinmente equivalentes con el mismo poset de intersección.

Arreglos en posición general

