Seminarium Astrofizyczne

wtorek 09.06.2020 godz. **12:00**

https://zoom.us/j/439968736
Meeting ID: 439 968 736
Password: 072094

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A new graph-theory based FOF group finder and its application to the updated 2MRS

We present the galaxy group catalog for the newly completed 2MASS Redshift Survey up to a magnitude limit of K < 11.75. Consisting of ~ 45 000 redshifts, including 1 041 previously unpublished
redshifts mostly distributed along the Zone of Avoidance. The galaxy group catalog is generated by using a novel, graph theory based, modified version of the friends-of-friends algorithm. The results and
methods have been thoroughly interrogated against previous 2MRS group catalogs by making use of cutting edge visualization techniques including immersive facilities, a digital planetarium, and virtual
reality. The final catalog consists of ~ 3 000 groups resulting in the most complete "whole-sky" galaxy group catalog to date.

Serdecznie zapraszam,
Agnieszka Majczyna