TOPOLOGY SEMINAR

Finite groups of rank two which do not involve Qd(p)

By

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Abstract: Let p>3 be a prime. We prove that if G is a finite group with p-rank equal to 2, then G involves Qd(p) if and only if G p'-involves Qd(p). This allows us to use a version of Glauberman's ZJ-theorem to give a more direct construction of finite group actions on mod-p homotopy spheres.
We give two examples to illustrate that the above conclusion does not hold for p=2, 3.
This is joint work with Yasir Kızmaz. The work was supported by Tübitak 1001 project (grant no: 116F194).

Date: February 17, 2020 Monday
Time: 13:40 – 14:40
Place: SA141 Mathematics Seminar Room

* Tea and cookies will be served after the talk. All are most cordially invited.