Oberseminar
zur
Algebra und Algebraischen Kombinatorik

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Old and new results for Coxeter groups: Classification required?

In my talk I will present a class of diagrams (first introduced by Carter) which provide a presentation for finite Coxeter groups. In particular, this class contains all Dynkin diagrams, but is in general much larger. I will also explain how these diagrams are linked to Cluster algebras. To prove that we obtain a presentation from these diagrams, we make use of some known results for finite Coxeter groups. In recent time, we were able to re-prove these results without using the classification of finite Coxeter groups. If time permits, I will present some ideas how to use these results to re-prove other results whose proofs still rely on the classification. Parts of my talk are based on joint work with Ruwen Hollenbach and Sophiane Yahiatene.

Donnerstag, 08.07.2021
ab 14:15 Uhr
in StudIP, per BBB im e-a410

Alle Interessierten sind herzlich eingeladen.

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