























## Schönflies

★ 1891: Independently of Fedorov, Schönflies used group theory to prove that there are exactly 230 space groups of symmetries governing crystal structures (in "Krystallsysteme and Krystallstruktur") and introduced the Schönflies symbols there.



Arthur Moritz Schönflies 1853 - 1928





"The universe is an enormous direct product of representations of symmetry groups." – Steven Weinberg<sup>1</sup>

<sup>1</sup>Steven Weinberg, Sheldon Glashow, and Abdus Salam were awarded the 1979 Nobel Prize in Physics for their incorporation of the weak and electromagnetic 'forces' into a single theory.

























