

Tropical bases and faithful tropicalizations

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In this talk, we will give a simple introduction to tropical algebraic geometry and highlight its differences to classical algebraic geometry. To be precise, we will discuss about the concepts of tropical bases and faithful tropicalizations and show how computer algebra can be used to understand the first and resolve the latter. This talk includes joint work with Paul Goerlach, Marvin Hahn, Hannah Markwig, Jeff Sommars, Ilya Tyomkin.