Interactive visualization and e-assessment with JSXGraph

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JSXGraph (https://jsxgraph.org) is an open-source JavaScript library for interactive geometry, function plotting, charting, and data visualization in the web browser. The focus is on 2D constructions, recently some 3D features have been added. It is widely used in Virtual Learning Environments, plug-ins exist for the popular systems Moodle and ILIAS, as well as for the e-assessment tools STACK, formulas and numbas. In this talk we give an overview on the features of JSXGraph, give few examples how to generate JSXGraph constructions and shed light on the ecosystem, i.e. the examples database and security considerations.