

ACCESSIBILITY AND WEBWORK: ONLINE HOMEWORK FOR EVERYONE

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Abstract. This talk describes changes that developers implemented to make sure WeBWorK meets accessibility design standards, including support for keyboard navigation and screen readers. This is an ongoing project with three main components. The first is making sure that the WeBWorK interface is accessible. There has been a great deal of progress in this area and all of the WeBWorK pages visible to students meet current standards. The second is making sure that mathematical expressions formatted by WeBWorK are compatible with screen readers. There has been some progress in this area using MathJax. The third component is making sure that individual WeBWorK problems are written with accessibility in mind. This is the most challenging of the three components, but also the component where individual instructors can have the biggest impact.

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