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Development and Applications of KeTCindyJS

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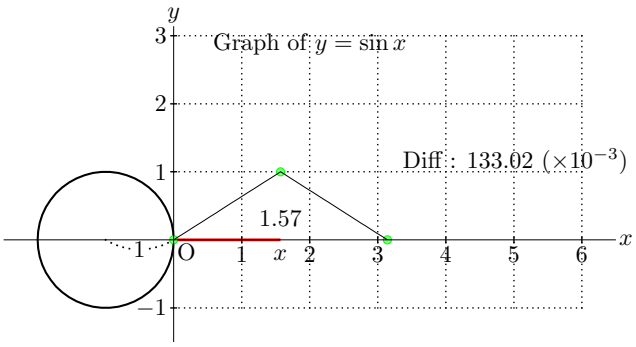
KeTCindy[3] is a collaboration of KeTpic we developed to produce LaTeX figures and Cinderella[1], a DGS. KeTCindy works as a kind of preprocessor of graphical code system such as pict2e or tikz, and mathematics teachers can produce their printed materials with figures easily and interactively. Meanwhile CindyJS has been developed by the group of Technical University of Munich. They has produced various fine geometric figures [2]. However, teachers will want produce material of not only geometry. So we have developed KeTCindyJS which adds functions of KeTCindy to CindyJS. Using KeTCindyJS, teachers can produce various interactive materials easily. The following is an example of such materials.



The above file is accesible at
`https://s-takato.github.io/ketcindysample/aca2019/`

Anyone can dowload KeTCindy package freely from CTAN:
`https://ctan.org/pkg/ketcindy`.

Keywords
Cinderella, CindyJS, KeTCindy

References

[1] Cinderella, https://www.cinderella.de/tiki-index.php
[2] CindyJS, https://cindyjs.org
[3] S. TAKATO; A. MCANDREW; J.A. VALLEJO; M. KANEKO,Collaborative use of KeTCindy and free Computer Algebra Systems. *Mathematics in Computer Science* **11**, 503–514 (2017).
ferences to proceedings.