

# resampy: efficient sample rate conversion in Python

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DOI: [10.21105/joss.00125](https://doi.org/10.21105/joss.00125)

## Software

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## Summary

This package implements efficient, high-quality sample rate conversion using the band-limited sinc interpolation method (Smith 2002). This method supports fast sample rate conversion for long and multi-channel signals. Its functionality and features are similar to `libsamplerate` (Castro 2005), but it differs by having a permissive (BSD-style) license, and it is written in Cython so that it is easier to install and use within larger Python projects.

## References

Castro, Erik de. 2005. “Secret Rabbit Code (Aka Libsamplerate)(software).”

Smith, Julius O. 2002. *Digital Audio Resampling Home Page*. <https://ccrma.stanford.edu/jos/resam>