

# Relative Tilting Modules

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In this talk, I will discuss how to extend the beautiful characterization of  $n$ -tilting modules by Professor Bazzoni (and by Colpi and Trlifaj for 1-tilting case) to relative tilting modules.

## References

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- [2] Bazzoni, S., A characterization of  $n$ -cotilting and  $n$ -tilting modules, *J. Algebra* 273 (2004), 359-372.
- [3] Colpi, R. and Trlifaj, J., Tilting modules and tilting torsion theory, *J. Algebra* 178 (1995), 614-634.
- [4] Wei J. and Xi C., A characterization of tilting pairs, *J. Algebra* 317 (2007), 376-391.