

# Relative Gorenstein dimensions under change of rings results

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**Abstract.** In this talk, we study change-of-ring results for Gorenstein projective (respectively, Gorenstein injective) modules relative to weakly Wakamatsu tilting (respectively, weakly cotilting) modules. We establish sufficient conditions under which these relative Gorenstein properties are preserved under change of rings. Our approach provides a unified framework that extends and generalizes several previously known results.

## References

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