Trace ideal of a pure projective module

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Trace ideals seem to be a useful tool to study direct sum decomposition of projective modules. For example, they can be used to prove that every indecomposable projective module over an integral group ring of a finite group is finitely generated.

In this talk I will present the notion of a trace ideal of a pure projective module and briefly discuss which properties of traces of projective modules proved in [1] have extension to pure projective setting.

References

[1] Herbera D., Příhoda, P. Reconstructing projective modules from its trace ideal *J. Algebra*, **416**, 25-57, 2014.