

## Examples of Infinitely Generated Submodules in the Hardy Space over the Bidisk

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In the classical Hardy space theory, Beurling proved that every submodule is generated by an inner function. This is one of the fundamental results in operator theory.

In this talk, we deal with infinitely generated submodules in the Hardy space over the bidisk, and give a new proof of the fact given by Rudin in [?].

### References

- [1] W. Rudin, Function theory in polydiscs, Benjamin, New York, 1969.