

## **Spectral properties of dual frames**

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We study spectral properties of dual frames of a given finite frame. We give a complete characterization for which spectral patterns of dual frames are possible for a fixed frame. For many cases, we provide simple explicit constructions for dual frames with a given spectrum, in particular, if the constraint on the dual is that it be tight. (the talk is based on joint work with G. Kutyniok and F. Krahmer)