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John Haas* (terraformthedreamscape@gmail.com), 105 Redwood, Columbia, MO 65203, and **Peter G. Casazza, Tin Tran** and **Joshua Stueck**. *Optimal packings of subspaces with mixed dimension*. Preliminary report.

We examine the min-max (chordal) packing problem for the case of fusion frames with projections of mixed rank. In order to endow “equal footing” to all elements, we use a classical embedding to send projections to points on a higher dimensional Euclidean sphere, where we formulate a notion of “optimally spread” mixed rank fusion in terms of *spherical codes* . We provide elementary examples which solve this reformulation of the problem, emphasizing that the examples agree with an intuitive notion of optimal spreading for the prescribed parameters. (Received January 30, 2018)