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**Jennifer R. Galovich\*** (jgalovich@csbsju.edu). *Di-Eigenals*. Preliminary report.

What happens to the diagonals of the unit square under a linear transformation? This is the story of a conjecture that failed; what happened next involved using all our "eigentools" and proved to be an effective way to summarize the "eigenstuff". Some answers emerged, but there are lots of questions left to explore. (Received August 22, 2017)