Expansion in the Planetary Nebula NGC 6302

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During the final stage of stellar evolution a star ejects its outer envelope, accelerates it, and eventually ionizes it, forming planetary nebula. At this stage the expelled gas shines brightly, often forming distinguishable sub-structures in its earlier outflows. By tracing the expansion of these structures we obtain a direct insight into the velocity field of the planetary nebula. Meaburn et al. (2002) applied the same technique to the outermost parts of NGC 6302, using two observations separated by 50 years. We compared *HST* images of NGC 6302 from two epochs separated by ~10 years to look for movement of the gas. We present work which attempts to reproduce the velocity field in the innermost regions of NGC 6302.

