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Components of multiple systems generally originate from the same protostellar environment. Their similarity or difference in chemical surface composition therefore directly relates to their separate way of evolution after formation (stellar evolution, rotation), and the possible influence by a close companion.

DG Leo is a spectroscopic hierarchical triple system with almost equal-mass late-A type components. Observations with high time and spectral resolution were used to disentangle the spectrum of each component from the composite ones. The abundance analysis of the component spectra reveals that the wide companion has a nearly solar-like composition, while both components in the close binary show Am type peculiarities.
