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- Lyman-alpha forest of unresolved extended sources
 - Ly α forests are traditionally observed for point sources like quasars. This only offers 1D information, plus quasars are rare.
 - Extended sources, including galaxies, binary quasars, and gravitationally lensed quasar..., can probe transverse, small scale information.
 - How do observed spectra differ?
- Modelling multiple gas clouds along the line of sight
 - Cloudy can help model the detailed absorption features produced by individual gas clouds.
 - Combine Cloudy's spectral outputs for multiple clouds with their spatial distributions generated by other codes (CloudFlex, etc.).

