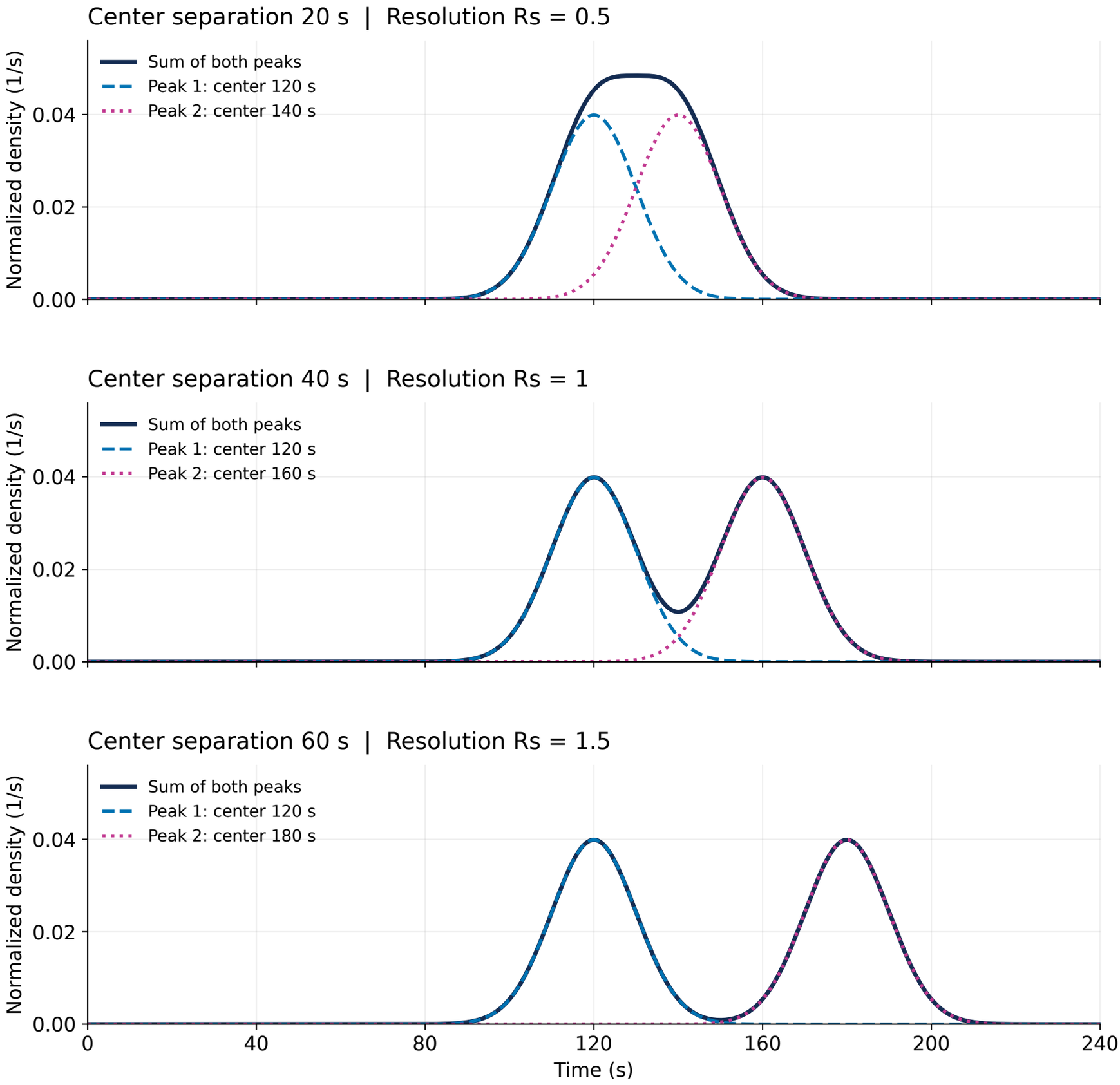
Two synthetic Gaussian chromatography peaks

Each individual peak has unit area; both have standard deviation 10 s.



Rs = separation / (4 × standard deviation). Width 4σ uses extrapolated tangents, not finite peak support. Ideal curves only: no measured noise, asymmetry, baseline, drift or chemical identification. Density is not concentration or detector voltage.