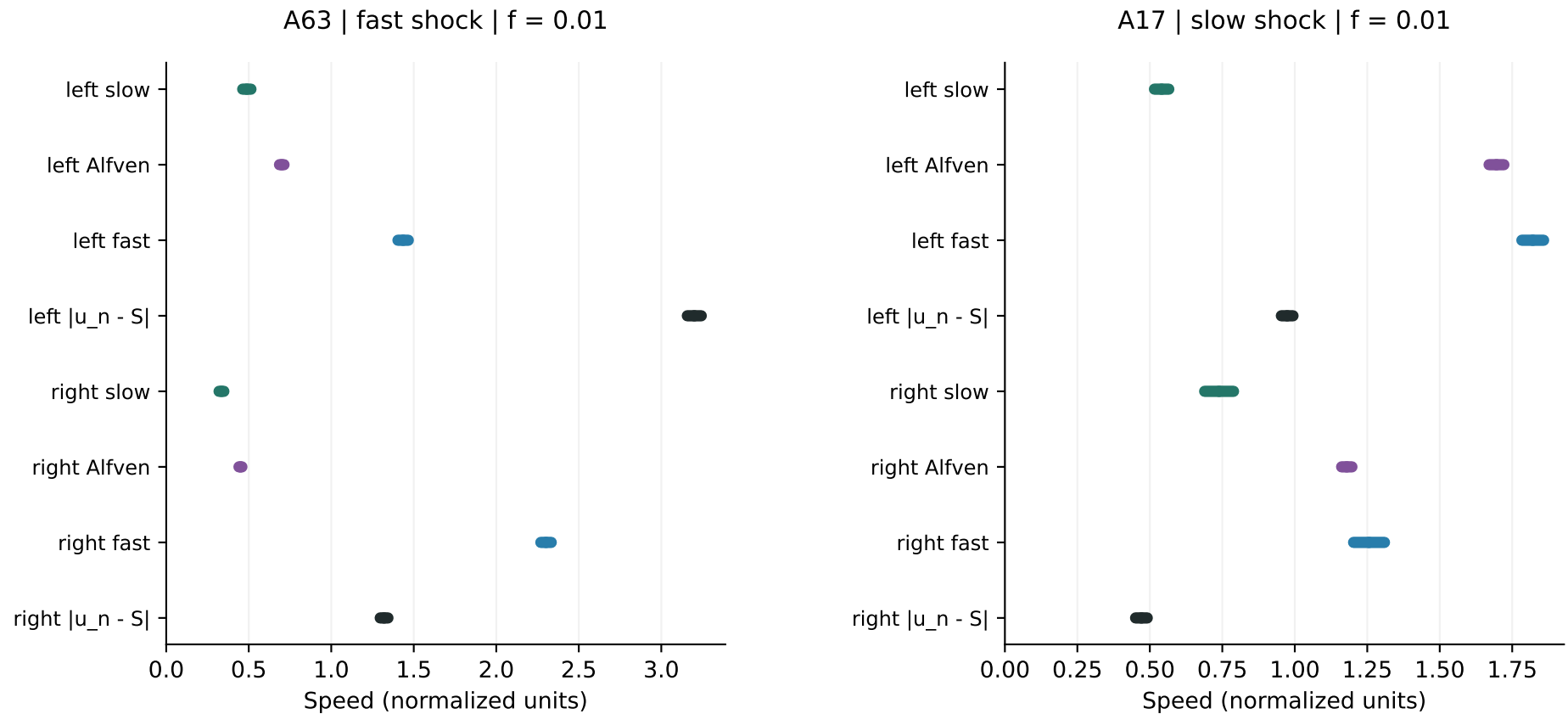


RMO | Does the local shock type survive input uncertainty?

Two checked synthetic shocks. Fixed normal geometry and $\gamma = 5/3$. No observed event is classified here.



Conditional interval test	$f = 0.01$	$f = 0.05$	$f = 0.10$
Fast shock A63	Certified	Certified	Not certified
Slow shock A17	Certified	Not certified	Not certified
Contact A42 / rotation A88	Equality model needed	Equality model needed	Equality model needed

Half-widths: $f |q|$ for density/pressure; $f \max(1, |q|)$ for velocity, field components and front speed.

Bars are deterministic enclosures, not confidence intervals. Certification assumes a conservation-compatible local discontinuity.

Not certified means the sufficient test is inconclusive. It does not establish a competing feasible branch or exclude a wave.