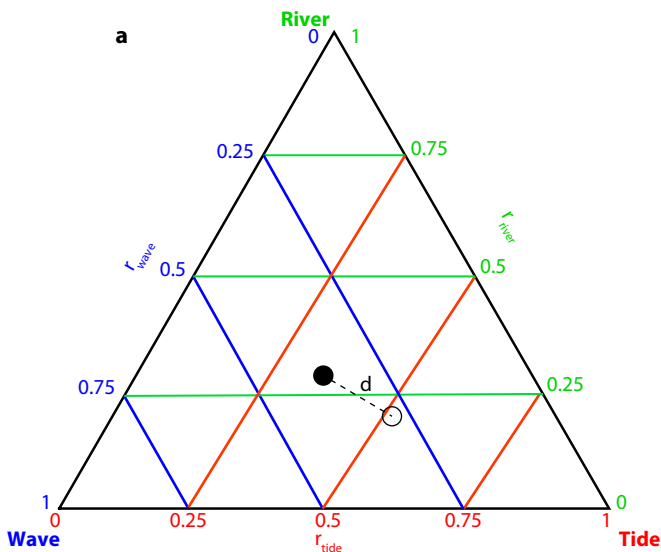
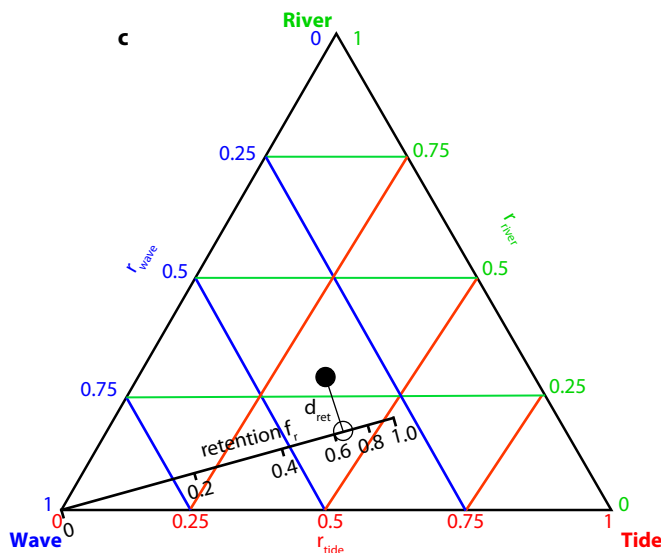


a**b**

○ prediction

 Q_{river} 10 kg s⁻¹ Q_{wave} 15 kg s⁻¹ Q_{tide} 25 kg s⁻¹ r_{river} 0.2 r_{wave} 0.3 r_{tide} 0.5 R 0.67 T 2.5 w_0/w_u 1.6 α 20.5° N 1 d 0.19

● observation

 Q_{river} 10 kg s⁻¹ Q_{wave} 13 kg s⁻¹ Q_{tide} 12 kg s⁻¹ r_{river} 0.29 r_{wave} 0.37 r_{tide} 0.34 R 0.77 T 1.2 w_0/w_u 1.3 α 25° N 1**c****d**

○ optimized prediction

 Q_{river} f_r 10 kg s⁻¹ Q_{wave} 15 kg s⁻¹ Q_{tide} f_r 25 kg s⁻¹ r_{river} 0.17 r_{wave} 0.40 r_{tide} 0.43 R f_r 0.67 T 2.5 w_0/w_u 1.6 α 13° N 1 f_r 0.64 d_{ret} 0.14