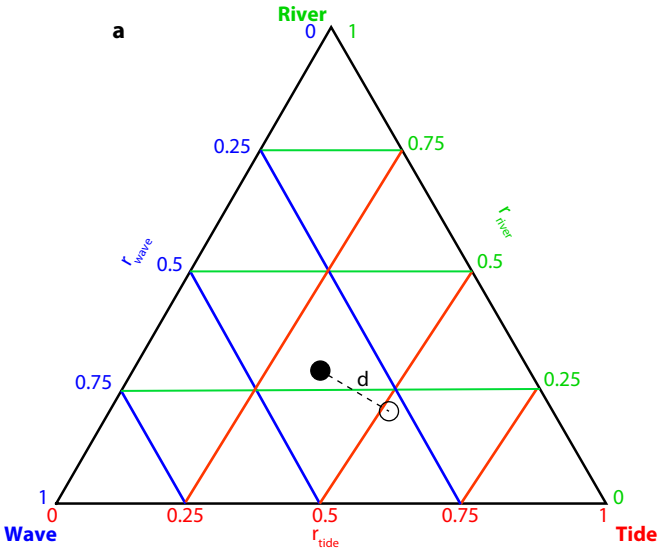
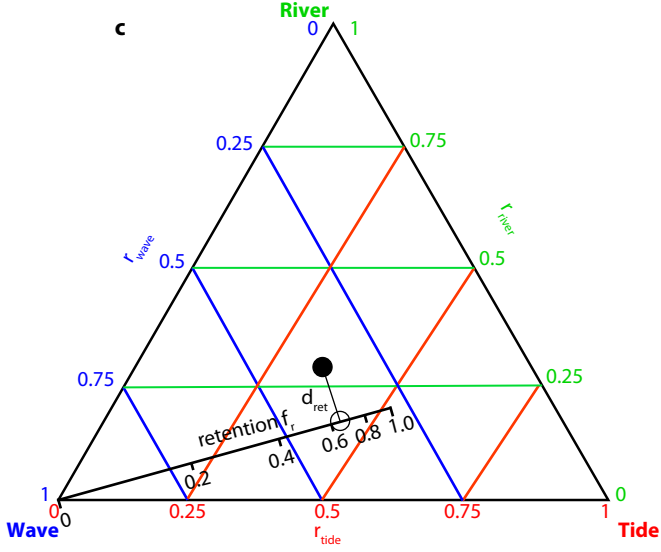


b

◯ prediction		● observation	
Q_{river}	10 kg s^{-1}	Q_{river}	10 kg s^{-1}
Q_{wave}	15 kg s^{-1}	Q_{wave}	13 kg s^{-1}
Q_{tide}	25 kg s^{-1}	Q_{tide}	12 kg s^{-1}
r_{river}	0.2	r_{river}	0.29
r_{wave}	0.3	r_{wave}	0.37
r_{tide}	0.5	r_{tide}	0.34
R	0.67	R	0.77
T	2.5	T	1.2
w_0/w_u	1.6	w_0/w_u	1.3
α	20.5°	α	25°
N	1	N	1
d	0.19		



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