

Results

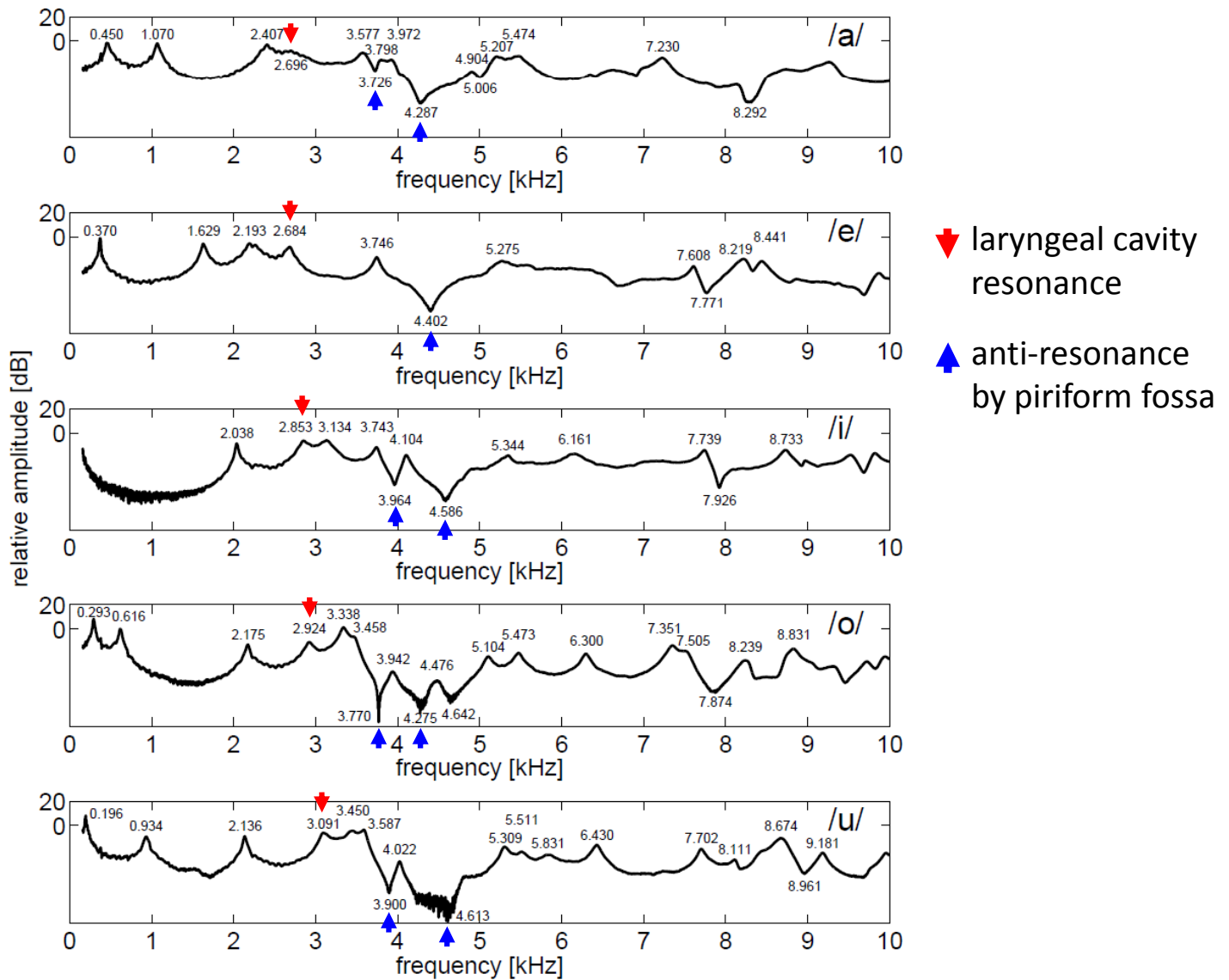


Fig. 4. Transfer functions of solid vocal tracts of the five Japanese vowels (with numbers representing the frequency of peaks and dips in Hz).

Table 1. The first, second, third, and fourth resonance frequencies (R1, R2, R3, and R4) of the transfer functions of the solid models [Hz].

vowel	R1	R2	R3	R4
/a/	450	1,070	2,407	2,696
/e/	370	1,629	2,193	2,684
/i/	---	2,038	2,853	3,134
/o/	293	616	2,175	2,924
/u/	196	934	2,136	3,091