

Title:

Measurement of Chest Wall Motion Using a Motion Capture System with the One-pitch Phase Analysis Method

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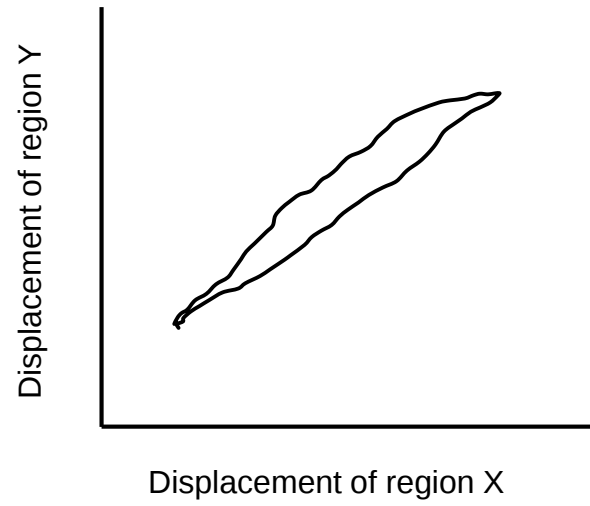
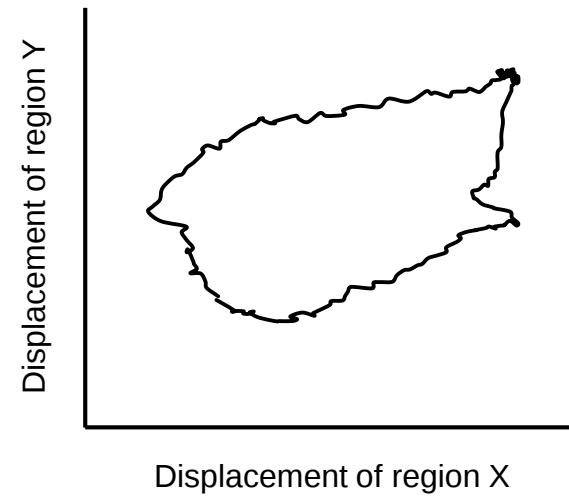
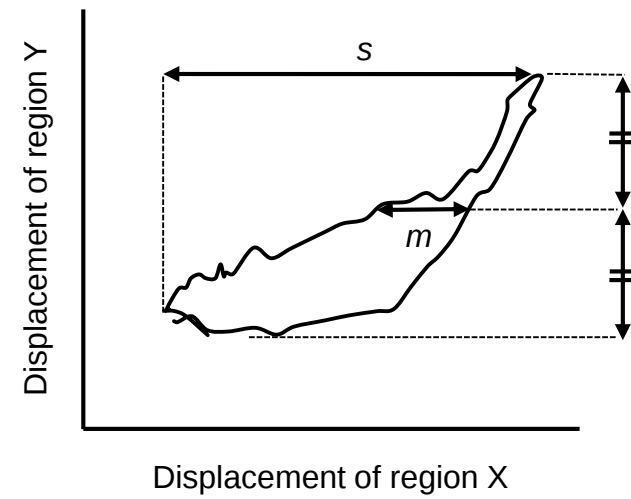
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Supplementary Figure S1.

Supplementary Figure S1. Examples and interpretation of Konno–Mead diagram.

Examples and interpretation of Konno–Mead diagram. **(a)** almost synchronous movement (elliptical circle upward to the right: participant No. 41) **(b)** asynchronous movement (nearly perfect circle: participant No. 19) **(c)** paradoxical movement (circle downward to the right: participant No. 33). (d) The level of asynchrony (phase angle) is calculated as $\arcsin (m/s)$ based on Konno–Mead diagram (participant No. 14). m = the width of the loop at 50% of y-axis displacement; s = the range of x-axis displacement.