

**Climbing skill and complexity of climbing wall design :  
assessment of jerk as a novel indicator of performance  
fluency**

SEIFERT, Ludovic, ORTH, Dominic, BOULANGER, Jérémie, DOVGALECS, Vladislavs, HÉRAULT, Romain and DAVIDS, Keith <<http://orcid.org/0000-0003-1398-6123>>

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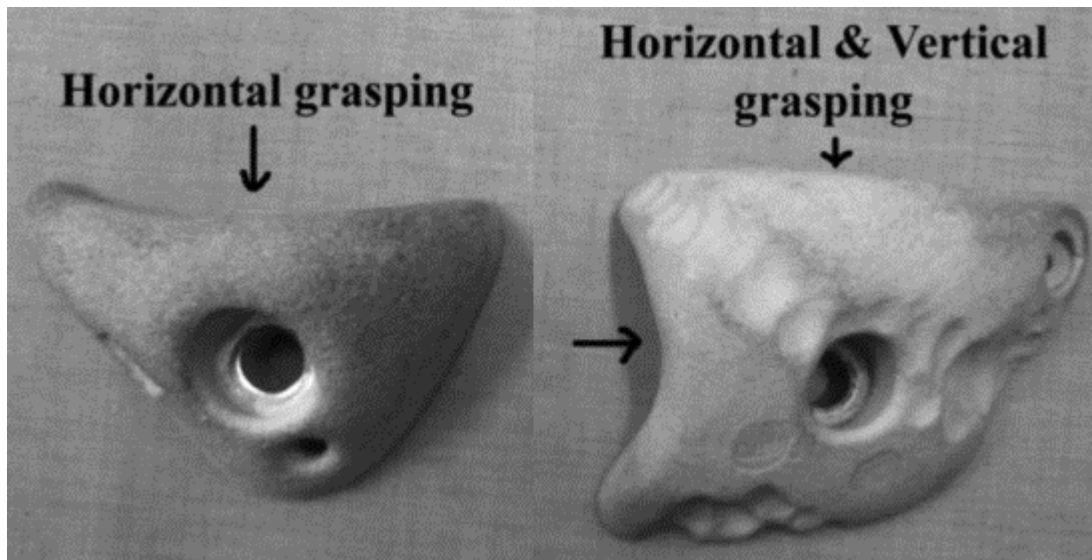
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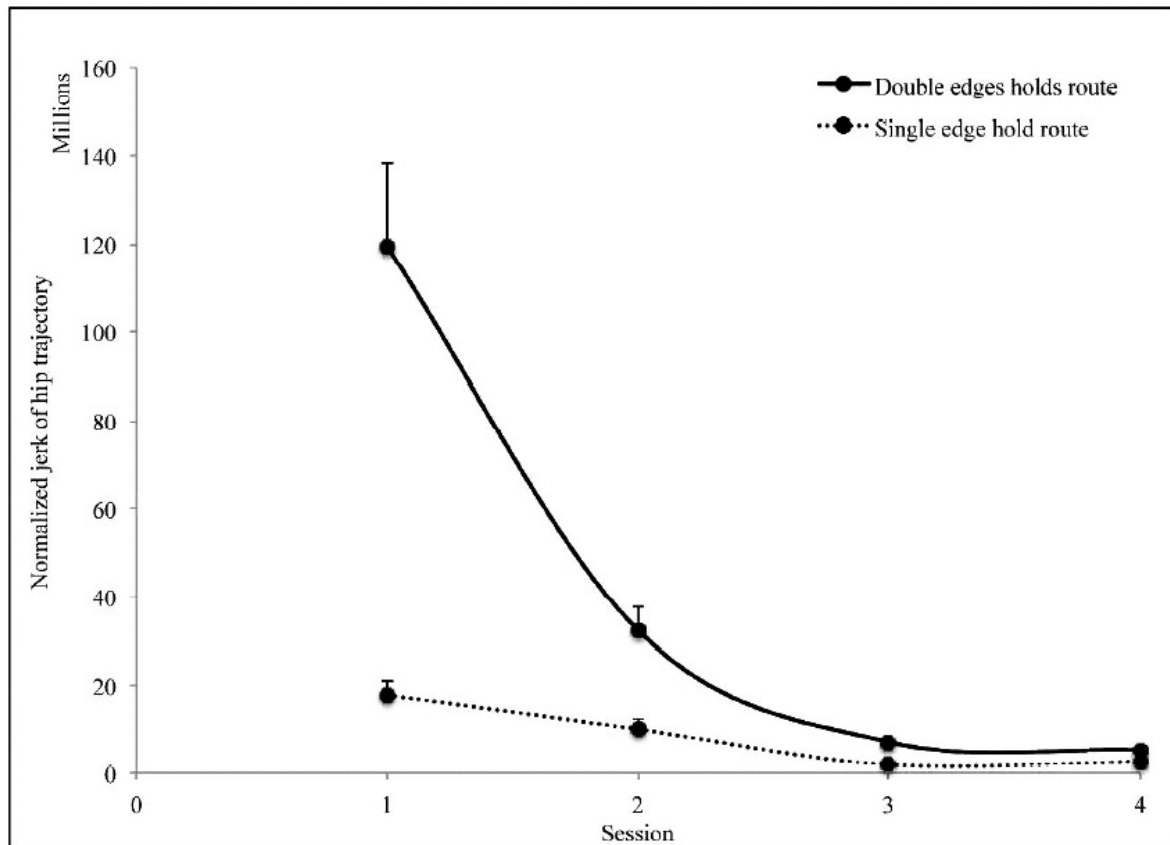
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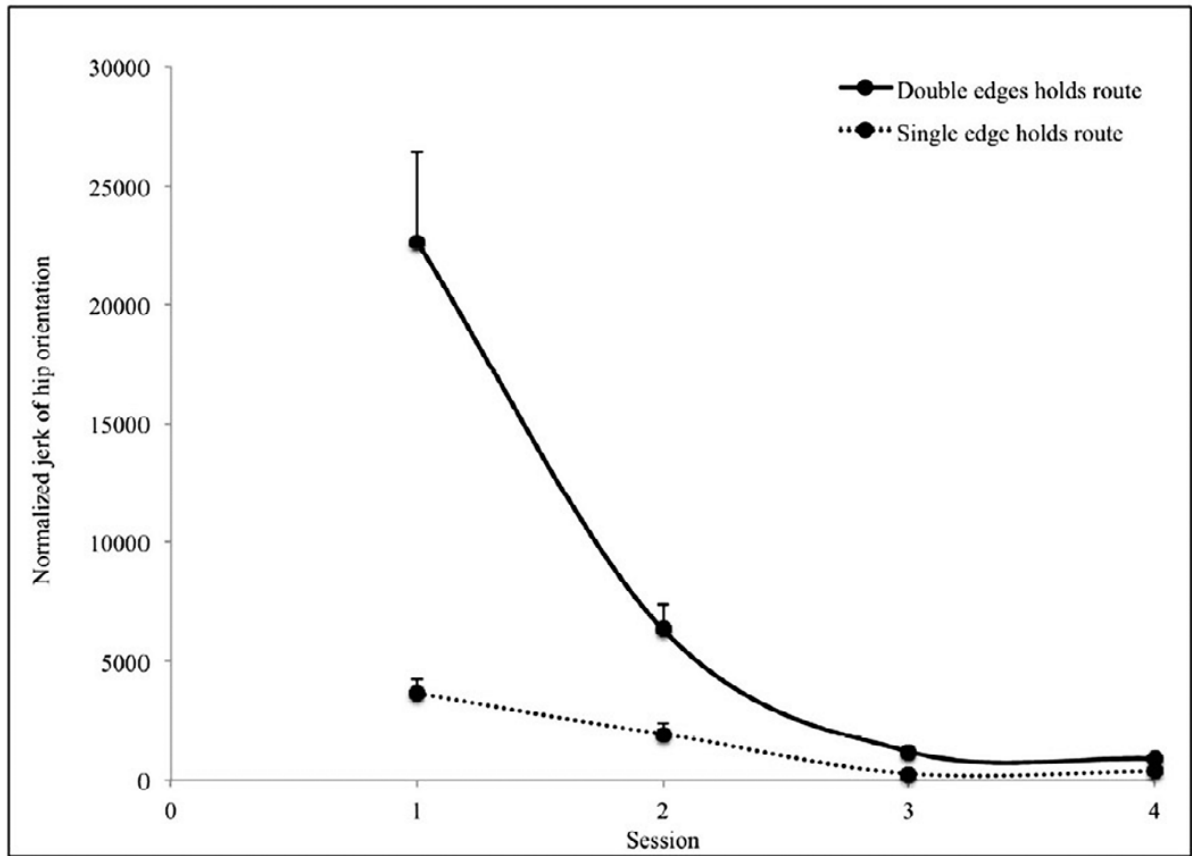
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**Figure 1** — Orientation and shape of the holds for the two routes. The arrow indicates the preferential edge grasping allowed by the hold.

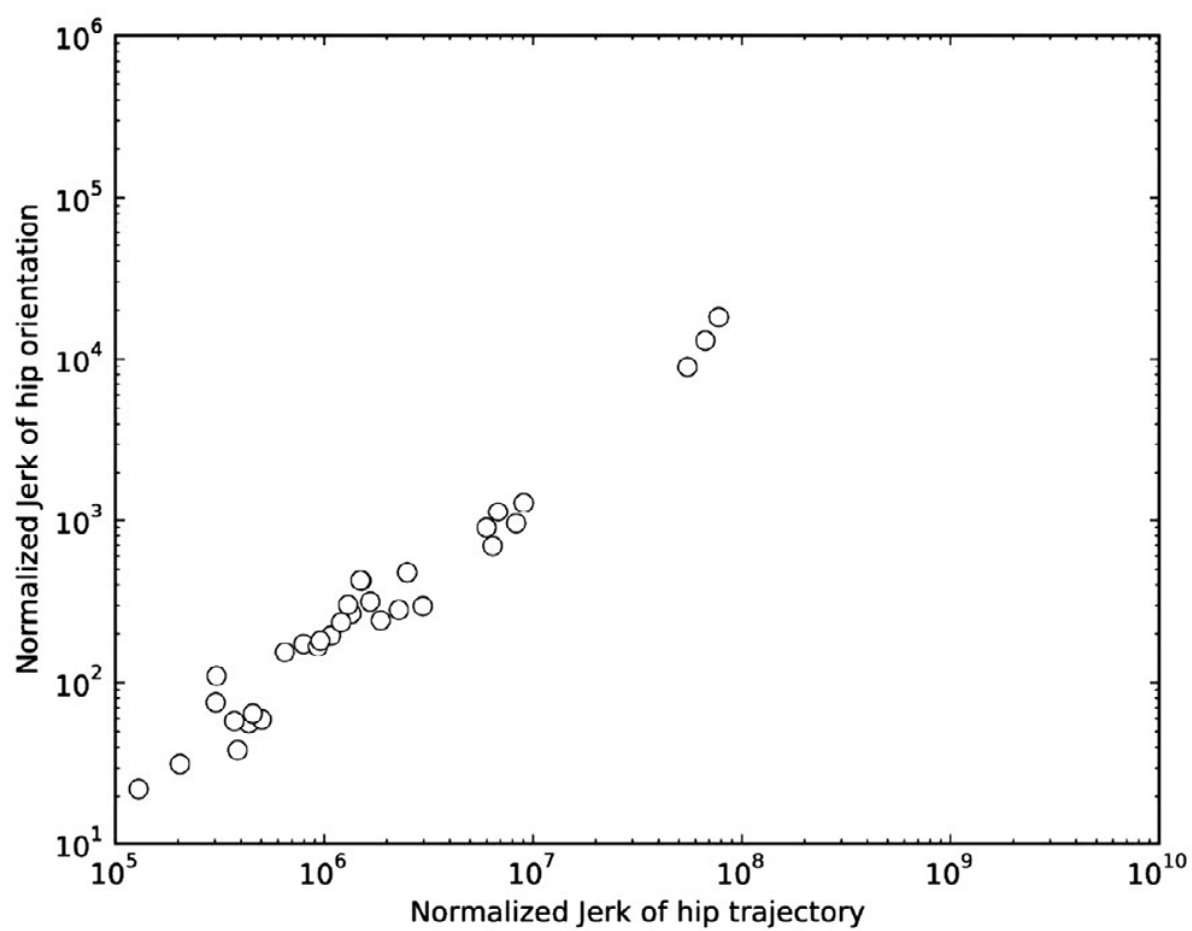


**Figure 2** — Differences of normalized jerk of hip trajectory between sessions for the complex route design (ie, double edges holds route; black line) and the simple route design (ie, horizontal edge holds route; dotted line).

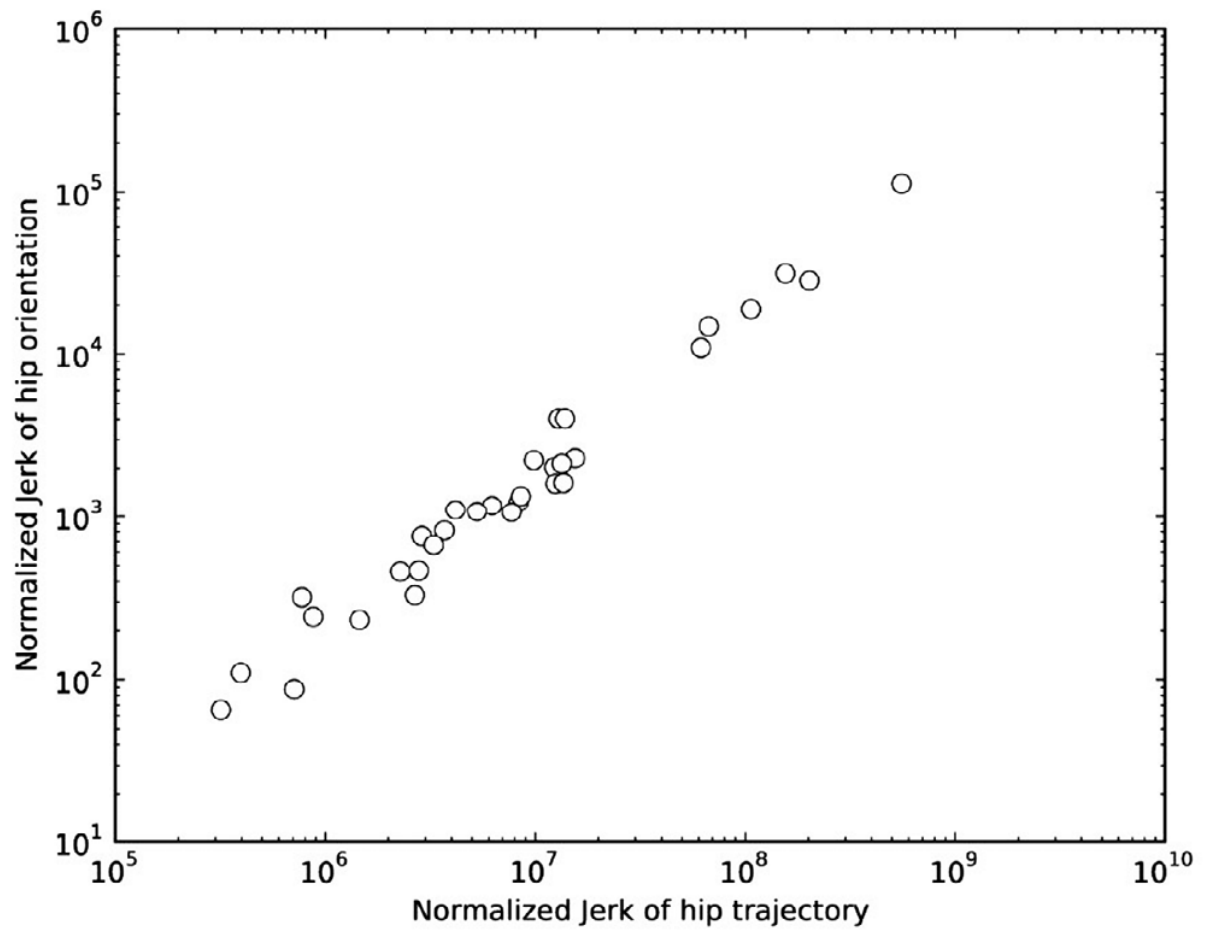


**Figure 3** — Differences of normalized jerk of hip orientation between sessions for the complex route design (ie, double edges holds route; black line) and the simple route design (ie, horizontal edge holds route; dotted line).

(a)



(b)



**Figure 4** — Correlation between jerk of hips trajectory (x-axis) and jerk of hips orientation (y-axis) for the simple route design (4a) and the complex route design (4b).