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Learning Force Patterns With a Multimodal System Using Contextual Cues

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Highlights

- A new interaction technique based on contextual information using a multimodal system for force pattern learning is proposed.
- Using the contextual information approach, the trainees obtain information about the evolution of their performance along the time (helping to correct the errors).
- The findings suggest that the contextual information provides a better trainee's performance than the punctual information.
- One drawback of the training strategies based on punctual feedback is the difficulty that users have in interpreting the information.
- The contextual approach could be used to extend the capabilities of haptic training procedures based on haptic guidance to provide information about the level of force to be applied during the execution of a specific task.

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