

① Sample two-person and corresponding single-person text descriptions

### (a) InterCompose

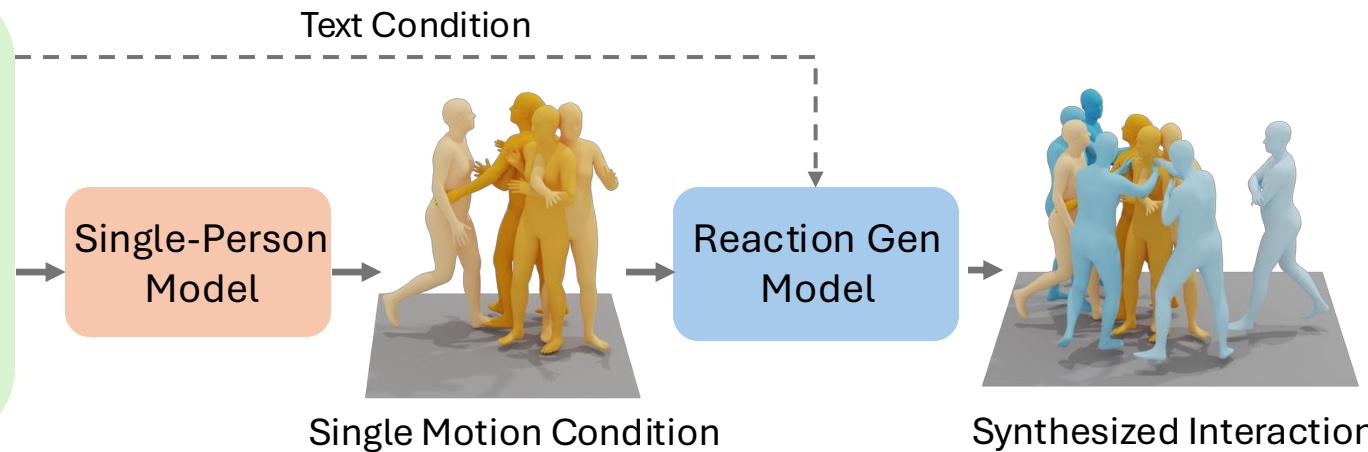
② Generate single-person motion from single prompt

③ Generate reaction based on single-person condition and text

**Theme:** Conflict  
**Tags:** Intense, Physical, ...  
**Reference examples:** ...



**Two-Person Prompt:** the two guys engage in a physical altercation, ...  
**Single Prompt A:** The person steps forward aggressively, thrusts their arms out, and plants their feet firmly.  
**Single Prompt B:** ...



**Text:** the first person kicks violently towards the other person, and the second one falls onto the ground.



### (b) InterActor

- Person A Tokens
- Person B Tokens
- Word-level Tokens

The first person ... onto the ground

xN blocks

Word-Level Conditioning

Motion-Motion Interaction

Self-Attn → Cross-Attn

Word-Level Conditioning

Self-Attn → Cross-Attn

Motion-Motion Interaction

The first person ... onto the ground



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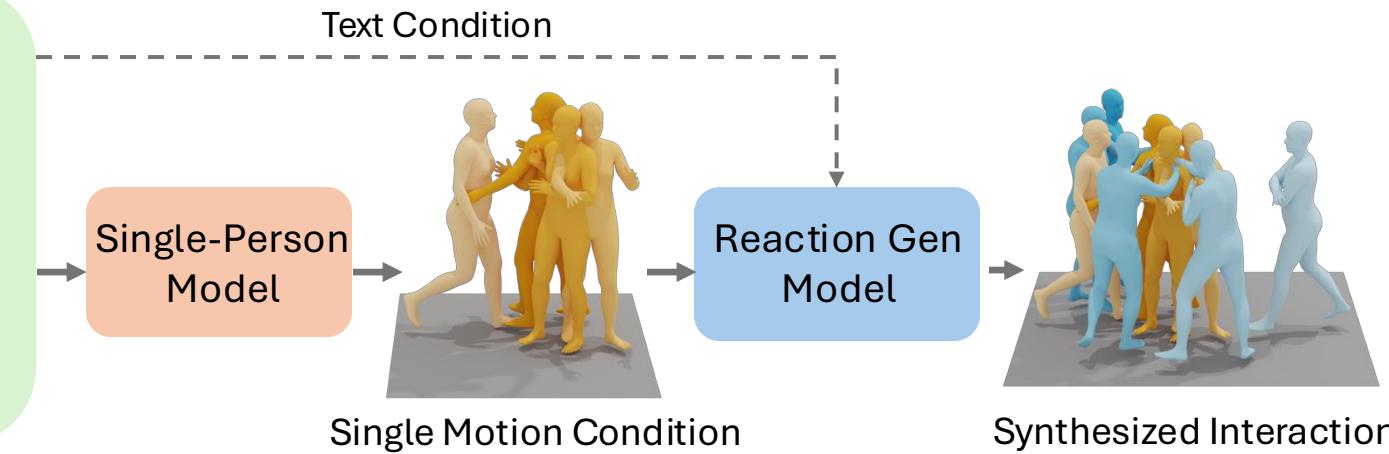
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**Two-Person Prompt:** the two guys engage in a physical altercation, ...  
**Single Prompt A:** The person steps forward aggressively, thrusts their arms out, and plants their feet firmly.  
**Single Prompt B:** ...



### (b) Text2Interact

**Text:** the first person kicks violently towards the other person, and the second one falls onto the ground.



The first person ... onto the ground

$\times N$  blocks

Word-Level Conditioning

Motion-Motion Interaction

Self-Attn → Cross-Attn

Word-Level Conditioning

Motion-Motion Interaction

Self-Attn → Cross-Attn

The first person ... onto the ground



■ Person A Tokens

■ Person B Tokens

■ Word-level Tokens

