

Appendix A Supplementary materials

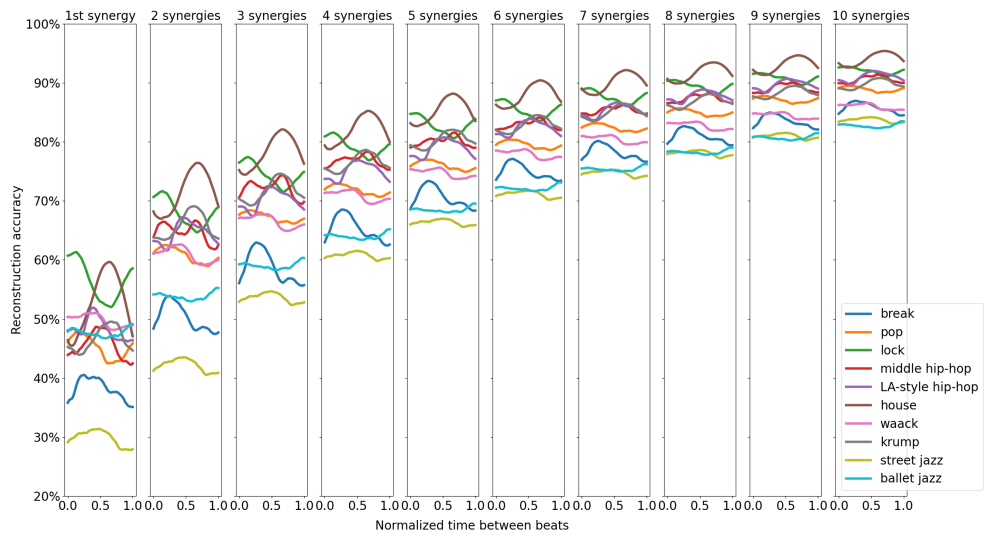


Fig. A1 Reconstruction accuracy of joint dangles for synergy number from 1 to 10 in 10 genres.

Genre Choreography	break	pop	lock	middle hip-hop	LA-style hip-hop	house	waack	krump	street jazz	ballet jazz
ch01	indian step	fresno	lock	roger rabbit	slide	loose legs	twirl	stomp	positions des bras	chaines
ch02	twist	walk out	twirl	rock the board	paddbre	paddbre	open	chest pops	positions des pieds	pique
ch03	two step	loft	point	charleston	ball change	side kick	pose	arm swing	plie	Fouette
ch04	roll two step	hand wave	crap	club	shamrock	swirl	walk	jabs	jump	paddbre
ch05	up rock	body wave	pacing	brooklyn	babysitter	train	shake	bang outs	tendu	pas de chat
ch06	battle rock	neck-o- flex	stop and go	slide	break down	farmer	four corner	kick back	chaines	grand pas de chat
ch07	6 step	flex	rock steady	box	roger rabbit	chase	swap	buck hop	passe balance	grand jete
ch08	3 step	walk	skeeter rabbit	brooklyn bounce	club	shuffle	punk	whip	paddbre	passe
ch09	cc	old man	scooby doo	running man	box	heel step	grab	Tick	chasse	entrelace
ch10	back cc	roll	cross hand	popcorn	walk	back skip	turn	focus	contraction	airplane

Table A1 Choreography name included in 10 dance genres.

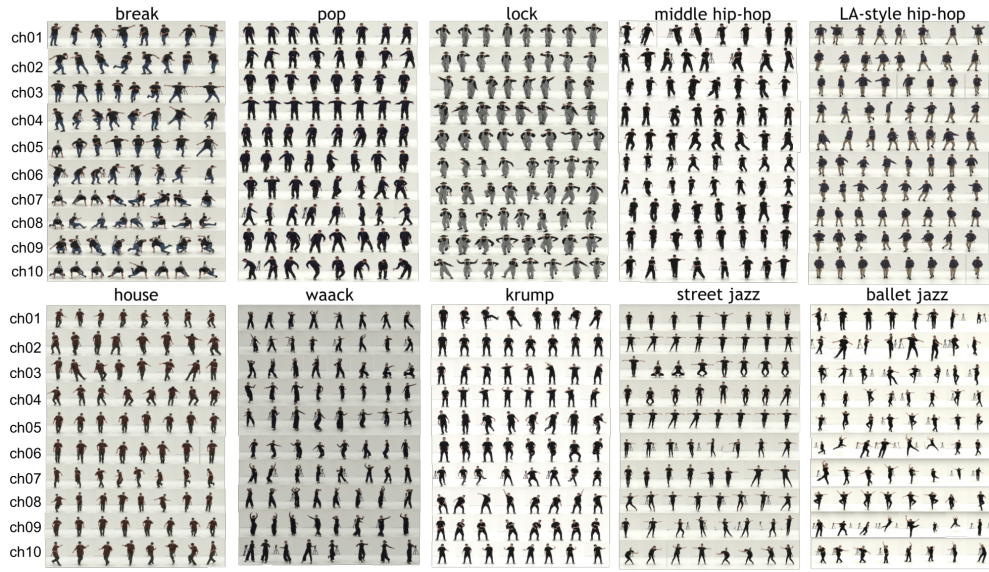


Fig. A2 Motion key-frames extracted from 10 street dance genres using DeepLabCut and the k-means algorithm. The choreography name is described in Table A1.