Psychophysical study		Loudness		Centroid		_
Algorithm	Labeled real	Err.	r	Err.	r	
Full system	$40.01\% \pm 1.66$	0.21	0.44	3.85	0.47	_
- Trained from scratch	$36.46\% \pm 1.68$	0.24	0.36	4.73	0.33	
- No spacetime	$37.88\% \pm 1.67$	0.22	0.37	4.30	0.37	
- Parametric synthesis	$34.66\% \pm 1.62$	0.21	0.44	3.85	0.47	
- No RNN	$29.96\% \pm 1.55$	1.24	0.04	7.92	0.28	
Image match	$32.98\% \pm 1.59$	0.37	0.16	8.39	0.18	_
Spacetime match	$31.92\% \pm 1.56$	0.41	0.14	7.19	0.21	
Image + spacetime	$33.77\% \pm 1.58$	0.37	0.18	7.74	0.20	
Random impact sound	$19.77\% \pm 1.34$	0.44	0.00	9.32	0.02	_
(a) Model evaluation					-