

Table1. Accuracy of zero-shot Retrieval on THINGS-EEG for all subjects (presented only even-numbered, batch size=1024).

Method	Subject 2	Subject 4	Subject 6	Subject 8	Subject 10	Overall Avg
EEGITNet	0.75	6.00	7.60	10.55	9.90	7.16
EEGConformer	0.50	3.30	4.35	7.50	6.50	4.43
ShallowFBCSPNet	0.75	5.25	7.80	13.45	13.25	8.10
EEGNetV4	17.30	27.20	20.55	22.95	26.50	22.90
B.D.	1.55	3.65	3.55	9.65	12.70	6.22
NICE	14.35	20.00	18.35	28.05	26.25	21.40
MLP	6.40	7.35	6.75	7.00	10.95	7.69
ATM-S (Ours)	22.00	31.35	21.30	38.80	29.05	28.50
ATM-E (Ours)	17.00	23.00	19.40	35.65	29.00	24.81

Note: Subject dependent - train and test on one subject (batch size=1024)

Method	Subject 2	Subject 4	Subject 6	Subject 8	Subject 10	Overall Avg
EEGITNet	4.70	4.80	5.50	3.70	6.90	5.12
EEGConformer	1.40	1.15	1.15	0.80	3.55	1.61
ShallowFBCSPNet	2.50	2.60	2.15	1.80	6.30	3.07
EEGNetV4	8.25	9.45	6.40	9.20	10.15	8.69
B.D.	4.45	4.30	11.15	18.05	16.90	10.97
NICE	4.90	9.65	8.35	7.90	13.25	8.81
MLP	6.50	9.50	3.60	7.25	12.80	7.93
ATM-S (Ours)	7.10	14.65	11.10	14.95	20.45	13.65
ATM-E (Ours)	10.45	14.65	10.35	13.95	15.85	13.05

Note: Subject independent - leave one subject for test (batch size=1024).