

Table 4: Comparisons of existing works on DNN partition approaches.

Reference	Metrics					
	The Number of Optimization Performances	Whether Space Complexity is considered	Whether Time Complexity is considered	Whether Generalizability is considered	Whether Scalability is considered	Whether Self-adaptability is considered
DDNNC [16]	1	N	N	N	N	N
EdgeLD [25]	1	N	N	N	Y	Y
MDPO [32]	1	N	N	Y	N	Y
DINA [34]	1	N	N	Y	N	Y
EPDNN [37]	1	N	N	Y	N	Y
DeepQuery [49]	1	N	N	Y	Y	Y
CoopAI [39]	1	N	Y	Y	Y	N
JODS [46]	1	N	Y	Y	Y	Y
CoEdge [10]	1	Y	N	Y	Y	Y
DNNTune [47]	2	N	N	N	N	N
ROI [53]	2	N	N	N	N	N
ADDA [41]	2	N	N	N	N	Y
Edgent [28]	2	N	N	N	N	Y
AppealNet [52]	2	N	N	N	N	Y
CECF [9]	2	N	N	N	Y	N
FSEP [48]	2	N	N	N	Y	N
EdgeCNN [54]	2	N	N	N	Y	N
ADPEC [23]	2	N	N	N	Y	Y
Pripro [51]	2	N	N	N	Y	N
JointDNN [44]	2	N	N	Y	N	N
MeDNN [21]	2	N	N	Y	N	Y
DPSO-GO [61]	2	N	N	Y	Y	N
GACO [35]	2	N	N	Y	Y	N
DADS [50]	2	N	N	Y	Y	Y
PANDA [36]	2	N	N	Y	Y	Y
FEPD [38]	2	N	N	Y	Y	Y
PerDNN [40]	2	N	N	Y	Y	Y
SPSO-GA [59]	2	N	Y	Y	N	Y
QDMP [62]	2	N	Y	Y	N	Y
TREND-WANT [64]	2	N	Y	Y	Y	N
JMDP [30]	2	N	Y	Y	Y	Y
EACA [33]	2	Y	N	N	Y	N
JALAD [45]	2	Y	Y	Y	N	Y
PADCS [60]	2	Y	Y	Y	Y	Y
CEVAS [63]	3	N	N	N	Y	N
EEDOS [29]	3	N	N	Y	N	N
Neurosurgeon [42]	3	N	N	Y	N	Y
DDNNs [57]	3	N	N	Y	N	Y
IONN [27]	3	N	N	Y	N	Y
DeepAdapter [58]	3	N	N	Y	Y	Y
EAIOD [31]	3	N	N	Y	Y	Y
JPDRA [24]	3	N	Y	Y	Y	Y
DeepThings [26]	4	N	N	N	N	Y
TMOA-ATSA [56]	4	N	N	Y	Y	N
MCDNN [43]	4	N	N	Y	Y	Y
Scission [55]	5	N	N	N	N	N
MAHP [1]	7	N	N	Y	N	N