

Table 1: Accuracy Results

Backbone	Feature Fusion	FD	FS	MD	MS	SS	BB	SiBs	Average
B16	$x \oplus y$	0.9171	0.9448	0.7221	0.8608	0.8718	0.5845	0.7434	0.8064
	$(x - y)^2 \oplus (x^2 - y^2) \oplus (x \cdot y)$	0.9339	0.9194	0.7552	0.9279	0.9138	0.7062	0.8165	0.8533
	$(x \cdot y) \oplus (x - y)^2$	0.717	0.6629	0.6009	0.5625	0.568	0.5838	0.6623	0.6225
	$(x \cdot y)$	0.6682	0.5826	0.4544	0.429	0.5769	0.3415	0.5106	0.509
	$(x^2 - y^2) \oplus (x - y)^2$	0.9661	0.9736	0.789	0.9666	0.9502	0.7187	0.8806	0.8921
	$(x^2 - y^2) \oplus (x \cdot y)$	0.9223	0.9125	0.7009	0.9021	0.862	0.7333	0.8201	0.8362
	$(x^2 - y^2)$	0.9553	0.9595	0.7266	0.9403	0.9333	0.7699	0.8771	0.8803
B32	$x \oplus y$	0.8556	0.8726	0.6247	0.8172	0.8227	0.5515	0.6584	0.7432
	$(x - y)^2 \oplus (x^2 - y^2) \oplus (x \cdot y)$	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1429
	$(x \cdot y) \oplus (x - y)^2$	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.1429
	$(x \cdot y)$	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1429
	$(x^2 - y^2) \oplus (x - y)^2$	0.9568	0.9163	0.73	0.9432	0.8948	0.7319	0.832	0.8579
	$(x^2 - y^2) \oplus (x \cdot y)$	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1429
	$(x^2 - y^2)$	0.9206	0.9199	0.7618	0.8577	0.8743	0.6377	0.8572	0.8327
L16	$x \oplus y$	0.8177	0.7644	0.5907	0.6673	0.5867	0.5505	0.6598	0.6624
	$(x - y)^2 \oplus (x^2 - y^2) \oplus (x \cdot y)$	0.8734	0.8516	0.6581	0.8149	0.6967	0.5313	0.723	0.7356
	$(x \cdot y) \oplus (x - y)^2$	0.6716	0.6251	0.5592	0.3699	0.4393	0.4446	0.5348	0.5206
	$(x \cdot y)$	0.6654	0.5179	0.4566	0.2357	0.5212	0.2227	0.4351	0.4364
	$(x^2 - y^2) \oplus (x - y)^2$	0.9304	0.9269	0.7989	0.8775	0.8694	0.5984	0.8466	0.8354
	$(x^2 - y^2) \oplus (x \cdot y)$	0.8311	0.8393	0.6594	0.726	0.6839	0.472	0.7556	0.7096
	$(x^2 - y^2)$	0.8679	0.8717	0.706	0.8252	0.7712	0.6405	0.8004	0.7833
L32	$x \oplus y$	0.9953	0.9962	0.7735	0.9618	0.9725	0.766	0.8431	0.9012
	$(x - y)^2 \oplus (x^2 - y^2) \oplus (x \cdot y)$	0.9916	0.9879	0.7965	0.9884	0.9774	0.6547	0.9205	0.9024
	$(x \cdot y) \oplus (x - y)^2$	0.9619	0.9479	0.7214	0.9333	0.9532	0.7789	0.8777	0.882
	$(x \cdot y)$	0.8869	0.8469	0.752	0.8083	0.8047	0.4981	0.7383	0.7622
	$(x^2 - y^2) \oplus (x - y)^2$	0.9734	0.978	0.7659	0.9735	0.9747	0.7405	0.8958	0.9003
	$(x^2 - y^2) \oplus (x \cdot y)$	0.9941	0.9937	0.8319	0.9894	0.9856	0.6967	0.8579	0.907
	$(x^2 - y^2)$	0.9846	0.9848	0.8002	0.9777	0.9744	0.7051	0.8872	0.902