

Table 4: Detection performance of Gitor with local call and variables methods.

	Local Call: lmet vref mdn				Variables Methods: vref vdec lmet xmet			
Cosine = 0.50	16	32	64	128	16	32	64	128
T-1 Recall	1	1	1	1	1	1	1	1
T-2 Recall	1	1	1	1	1	1	1	1
VST-3 Recall	1	1	1	1	1	1	1	0.999
ST-3 Recall	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
MT-3 Recall	0.996	0.996	0.996	0.995	0.987	0.988	0.991	0.989
Type-4 Recall	0.937	0.932	0.943	0.940	0.891	0.902	0.932	0.919
Precision	0.657	0.658	0.655	0.656	0.686	0.689	0.681	0.687
F1	0.781	0.780	0.780	0.780	0.790	0.794	0.796	0.797
Cosine = 0.60	16	32	64	128	16	32	64	128
T-1 Recall	1	1	1	1	1	1	1	1
T-2 Recall	1	1	1	1	1	1	1	1
VST-3 Recall	1	1	1	0.999	1	1	1	0.999
ST-3 Recall	0.999	0.999	0.999	0.999	0.998	0.998	0.999	0.999
MT-3 Recall	0.993	0.992	0.993	0.992	0.972	0.976	0.982	0.978
Type-4 Recall	0.882	0.873	0.888	0.884	0.824	0.837	0.886	0.863
Precision	0.669	0.671	0.668	0.668	0.703	0.707	0.696	0.704
F1	0.777	0.776	0.778	0.777	0.784	0.790	0.795	0.795
Cosine = 0.70	16	32	64	128	16	32	64	128
T-1 Recall	1	1	1	0.999	1	1	1	0.999
T-2 Recall	1	1	1	1	1	1	1	1
VST-3 Recall	0.999	0.999	0.999	0.999	0.999	0.998	0.998	0.998
ST-3 Recall	0.998	0.998	0.998	0.998	0.997	0.997	0.997	0.997
MT-3 Recall	0.985	0.983	0.985	0.984	0.944	0.949	0.962	0.957
Type-4 Recall	0.788	0.776	0.796	0.792	0.706	0.714	0.800	0.757
Precision	0.692	0.694	0.690	0.691	0.726	0.733	0.718	0.730
F1	0.770	0.768	0.770	0.770	0.765	0.772	0.787	0.782
Cosine = 0.80	16	32	64	128	16	32	64	128
T-1 Recall	1	1	1	0.999	1	1	1	0.999
T-2 Recall	1	1	1	1	1	1	1	1
VST-3 Recall	0.999	0.998	0.998	0.998	0.999	0.998	0.998	0.998
ST-3 Recall	0.990	0.990	0.990	0.990	0.985	0.987	0.992	0.988
MT-3 Recall	0.947	0.944	0.949	0.947	0.867	0.872	0.906	0.892
Type-4 Recall	0.631	0.613	0.642	0.637	0.529	0.523	0.627	0.563
Precision	0.728	0.730	0.726	0.727	0.767	0.777	0.760	0.773
F1	0.746	0.741	0.747	0.746	0.723	0.726	0.756	0.740
Cosine = 0.90	16	32	64	128	16	32	64	128
T-1 Recall	1	1	1	0.999	1	1	1	0.999
T-2 Recall	1	1	1	1	1	1	1	1
VST-3 Recall	0.999	0.998	0.998	0.998	0.999	0.998	0.998	0.998
ST-3 Recall	0.970	0.969	0.971	0.970	0.924	0.927	0.936	0.932
MT-3 Recall	0.808	0.791	0.815	0.812	0.644	0.640	0.692	0.662
Type-4 Recall	0.352	0.336	0.363	0.353	0.262	0.246	0.329	0.275
Precision	0.796	0.797	0.792	0.792	0.823	0.837	0.825	0.837
F1	0.659	0.651	0.664	0.659	0.600	0.595	0.641	0.613
Cosine = 0.93	16	32	64	128	16	32	64	128
T-1 Recall	1	1	0.999	0.999	1	1	1	0.999
T-2 Recall	1	1	1	1	1	1	1	1
VST-3 Recall	0.998	0.997	0.997	0.997	0.997	0.996	0.997	0.997
ST-3 Recall	0.957	0.955	0.958	0.956	0.891	0.891	0.907	0.902
MT-3 Recall	0.698	0.681	0.709	0.703	0.522	0.516	0.574	0.539
Type-4 Recall	0.239	0.231	0.248	0.244	0.169	0.154	0.213	0.173
Precision	0.835	0.838	0.831	0.832	0.863	0.878	0.865	0.878
F1	0.602	0.595	0.607	0.605	0.535	0.528	0.571	0.545
Cosine = 0.96	16	32	64	128	16	32	64	128
T-1 Recall	1	1	0.999	0.999	1	1	0.999	0.999
T-2 Recall	1	1	1	1	1	1	1	1
VST-3 Recall	0.993	0.993	0.993	0.992	0.988	0.988	0.991	0.990
ST-3 Recall	0.911	0.909	0.911	0.910	0.822	0.825	0.849	0.833
MT-3 Recall	0.522	0.513	0.528	0.525	0.386	0.368	0.415	0.383
Type-4 Recall	0.130	0.124	0.135	0.132	0.081	0.070	0.099	0.078
Precision	0.875	0.876	0.873	0.874	0.911	0.923	0.913	0.923
F1	0.515	0.510	0.519	0.517	0.475	0.527	0.517	0.484
Cosine = 0.99	16	32	64	128	16	32	64	128
T-1 Recall	1	1	0.999	0.999	1	1	0.999	0.999
T-2 Recall	1	1	1	1	1	1	1	1
VST-3 Recall	0.953	0.952	0.953	0.952	0.949	0.955	0.962	0.956
ST-3 Recall	0.668	0.666	0.671	0.670	0.660	0.651	0.678	0.658
MT-3 Recall	0.272	0.269	0.278	0.273	0.174	0.146	0.169	0.149
Type-4 Recall	0.033	0.031	0.034	0.033	0.015	0.012	0.016	0.012
Precision	0.934	0.934	0.934	0.933	0.975	0.978	0.972	0.975
F1	0.386	0.384	0.388	0.386	0.347	0.336	0.347	0.338