

SROCC values for quality metrics for TID2013 database (1/2)

	PSNR	MSE	WSNR	NQM	UQI	SSIM	MSSIM	IFC	VIF	VIFP	MSVD	QILV	VSNR	PSNRHVS	PSNRHVSIM	CWSSIM	RFSIM	PSNRHAY	PSNRHMAy	PSNRHA	PSNRHMA	FSIM	FSIMc	IWSSIM	ADM	GSM	IGM	SRSIM	SFF	GMSD	ESSIM	WASH	VSI	IQM2
PSNR	1.0000	-1.0000	0.8281	0.7644	0.4886	0.6535	0.7668	0.3960	0.5815	0.5373	0.0784	0.7277	0.7497	0.9269	0.8787	0.6844	0.7776	0.8485	0.8336	0.7960	0.7549	0.7557	0.7187	0.7673	0.7014	0.6374	0.7728	0.7685	0.6028	-0.7526	0.6555	0.3060	0.6687	0.7525
MSE	-1.0000	1.0000	-0.8281	-0.7644	-0.4886	-0.6535	-0.7668	-0.3960	-0.5815	-0.5373	-0.0784	-0.7277	-0.7497	-0.9269	-0.8787	-0.6844	-0.7776	-0.8485	-0.8336	-0.7960	-0.7549	-0.7557	-0.7187	-0.7673	-0.7014	-0.6374	-0.7728	-0.7685	-0.6028	0.7526	-0.6555	-0.3061	-0.6687	-0.7525
WSNR	0.8281	-0.8281	1.0000	0.9154	0.3157	0.4022	0.7037	0.2784	0.4592	0.3099	0.1145	0.6562	0.7827	0.9464	0.9632	0.7878	0.6859	0.7888	0.8486	0.7261	0.7764	0.7347	0.6875	0.7418	0.6527	0.5970	0.7538	0.7431	0.5768	-0.7295	0.6067	0.0617	0.6401	0.7346
NQM	0.7644	-0.7644	0.9154	1.0000	0.4203	0.4797	0.7980	0.3733	0.5481	0.4173	0.0298	0.7484	0.8827	0.8738	0.8909	0.8633	0.7730	0.8239	0.8717	0.7728	0.8102	0.8207	0.7768	0.8382	0.7532	0.6765	0.8303	0.8300	0.6741	-0.7978	0.6962	0.1374	0.7241	0.8292
UQI	0.4886	-0.4886	0.3157	0.4203	1.0000	0.9078	0.7668	0.9383	0.8639	0.9115	-0.1754	0.5565	0.4994	0.4177	0.3943	0.3605	0.6987	0.5671	0.5364	0.5593	0.4762	0.7356	0.7176	0.7192	0.6999	0.7377	0.6905	0.6981	0.6265	-0.6429	0.7331	0.8023	0.6026	0.6913
SSIM	0.6535	-0.6535	0.4022	0.4797	0.9078	1.0000	0.8469	0.8568	0.8806	0.9352	-0.1328	0.6207	0.5866	0.5326	0.4814	0.4030	0.7939	0.6810	0.6259	0.6749	0.5634	0.7949	0.7801	0.7809	0.7622	0.7802	0.7649	0.7635	0.6826	-0.7214	0.7763	0.7604	0.6878	0.7662
MSSIM	0.7668	-0.7668	0.7037	0.7980	0.7668	0.8469	1.0000	0.7076	0.8462	0.7686	-0.0647	0.7757	0.8821	0.7834	0.7651	0.6663	0.9377	0.9026	0.8917	0.8844	0.8403	0.9756	0.9497	0.9849	0.9273	0.8911	0.9645	0.9652	0.8603	-0.9334	0.9051	0.5088	0.8815	0.9731
IFC	0.3960	-0.3960	0.2784	0.3733	0.9383	0.8568	0.7076	1.0000	0.8904	0.9273	-0.2150	0.5171	0.4571	0.3644	0.3408	0.2780	0.6628	0.5141	0.4816	0.5162	0.4332	0.7030	0.6891	0.6554	0.6400	0.7293	0.6612	0.6619	0.6211	-0.6079	0.7096	0.7801	0.5790	0.6601
VIF	0.5815	-0.5815	0.4592	0.5481	0.8639	0.8806	0.8462	0.8904	1.0000	0.9311	-0.1317	0.6734	0.6745	0.5755	0.5364	0.4197	0.8599	0.7621	0.7163	0.7495	0.6621	0.8603	0.8437	0.8219	0.8217	0.8112	0.8464	0.8306	0.7913	-0.8000	0.8181	0.6836	0.7346	0.8468
VIFP	0.5373	-0.5373	0.3099	0.4173	0.9115	0.9352	0.7686	0.9273	0.9311	1.0000	-0.1731	0.6070	0.5286	0.4328	0.3774	0.3312	0.7771	0.6264	0.5570	0.6238	0.5023	0.7505	0.7363	0.7156	0.7234	0.7255	0.7215	0.6708	-0.6717	0.7405	0.7932	0.6366	0.7263	
MSVD	0.0784	-0.0784	0.1145	0.0298	-0.1754	-0.1328	-0.0647	-0.2150	-0.1317	-0.1731	1.0000	-0.0501	-0.0075	0.1153	0.1327	-0.0668	-0.0472	0.0509	0.0761	0.0129	0.0426	-0.0846	-0.1203	-0.0211	0.0128	-0.1842	-0.0768	-0.0589	-0.0664	-0.0091	-0.1395	-0.1091	-0.1022	-0.0640
QILV	0.7277	-0.7277	0.6562	0.7484	0.5565	0.6207	0.7757	0.5171	0.6734	0.6070	-0.0501	1.0000	0.8265	0.7263	0.7031	0.6424	0.7909	0.7957	0.7838	0.7596	0.7167	0.8020	0.7669	0.7969	0.7377	0.6512	0.7826	0.8116	0.6824	-0.7643	0.6715	0.3886	0.6790	0.7713
VSNR	0.7497	-0.7497	0.7827	0.8827	0.4994	0.5866	0.8821	0.4571	0.6745	0.5286	-0.0075	0.8265	1.0000	0.8409	0.8369	0.7114	0.8792	0.9095	0.9214	0.8648	0.8574	0.8989	0.8563	0.9125	0.8494	0.7373	0.9088	0.9094	0.7918	-0.8904	0.7611	0.2712	0.7929	0.9112
PSNRHVS	0.9269	-0.9269	0.9464	0.8738	0.4177	0.5326	0.7834	0.3644	0.5755	0.4328	0.1153	0.7263	0.8409	1.0000	0.9897	0.7221	0.7816	0.8908	0.9211	0.8273	0.8425	0.8084	0.7653	0.8127	0.7290	0.6699	0.8284	0.8172	0.6677	-0.8154	0.6784	0.1892	0.7089	0.8061
PSNRHVSIM	0.8787	-0.8787	0.9632	0.8909	0.3943	0.4814	0.7651	0.3408	0.5364	0.3774	0.1327	0.7031	0.8369	0.9897	1.0000	0.7289	0.7426	0.8636	0.9161	0.7969	0.8357	0.7937	0.7470	0.8029	0.7168	0.6505	0.8083	0.7992	0.6519	-0.8030	0.6555	0.1412	0.6884	0.7880
CWSSIM	0.6844	-0.6844	0.7878	0.8633	0.3605	0.4030	0.6663	0.2780	0.4197	0.3312	-0.0668	0.6424	0.7114	0.7221	0.7289	1.0000	0.6437	0.6941	0.7243	0.6621	0.6802	0.6844	0.6479	0.6962	0.6379	0.5747	0.7009	0.7061	0.5137	-0.6612	0.6106	0.0742	0.6166	0.6972
RFSIM	0.7776	-0.7776	0.6859	0.7730	0.6987	0.7939	0.9377	0.6628	0.8599	0.7771	-0.0472	0.7909	0.8792	0.7816	0.7426	0.6437	1.0000	0.9312	0.8936	0.9113	0.8433	0.9493	0.9223	0.9373	0.9054	0.8363	0.9559	0.9522	0.8619	-0.9210	0.8802	0.4963	0.8548	0.9630
PSNRHAY	0.8485	-0.8485	0.7888	0.8239	0.5671	0.6810	0.9026	0.5141	0.7621	0.6264	0.0509	0.7957	0.9095	0.8908	0.8636	0.6941	0.9312	1.0000	0.9846	0.9643	0.9248	0.9298	0.8943	0.9250	0.9060	0.7837	0.9466	0.9435	0.8385	-0.9561	0.8282	0.3416	0.8414	0.9390
PSNRHMAy	0.8336	-0.8336	0.8486	0.8717	0.5364	0.6259	0.8917	0.4816	0.7163	0.5570	0.0761	0.7838	0.9214	0.9211	0.9161	0.7243	0.8936	0.9846	1.0000	0.9412	0.9360	0.9231	0.8838	0.9276	0.8919	0.7719	0.9351	0.9326	0.8235	-0.9496	0.8062	0.2764	0.8274	0.9266
PSNRHA	0.7960	-0.7960	0.7261	0.7728	0.5593	0.6749	0.8844	0.5162	0.7495	0.6238	0.0129	0.7596	0.8648	0.8273	0.7969	0.6621	0.9113	0.9643	0.9412	1.0000	0.9689	0.9083	0.9065	0.9014	0.8911	0.8478	0.9218	0.9241	0.8850	-0.9326	0.8856	0.3309	0.8973	0.9166
PSNRHMA	0.7549	-0.7549	0.7764	0.8102	0.4762	0.5634	0.8403	0.4332	0.6621	0.5023	0.0426	0.7167	0.8574	0.8425	0.8357	0.6802	0.8433	0.9248	0.9360	0.9689	1.0000	0.8729	0.8835	0.8714	0.8426	0.8313	0.8845	0.8858	0.8761	-0.8966	0.8537	0.2032	0.8948	0.8774
FSIM	0.7557	-0.7557	0.7347	0.8207	0.7356	0.7949	0.9756	0.7030	0.8603	0.7505	-0.0846	0.8020	0.8989	0.8084	0.7937	0.6844	0.9493	0.9298	0.9231	0.9083	0.8729	1.0000	0.9740	0.9777	0.9263	0.8974	0.9839	0.9887	0.8833	-0.9642	0.9158	0.4616	0.8955	0.9829
FSIMc	0.7187	-0.7187	0.6875	0.7768	0.7176	0.7801	0.9497	0.6891	0.8437	0.7363	-0.1203	0.7669	0.8563	0.7653	0.7470	0.6479	0.9223	0.8943	0.8838	0.9065	0.8835	0.9740	1.0000	0.9458	0.8954	0.9358	0.9564	0.9617	0.9370	-0.9328	0.9429	0.4374	0.9516	0.9536
IWSSIM	0.7673	-0.7673	0.7418	0.8382	0.7192	0.7809	0.9849	0.6554	0.8219	0.7156	-0.0211	0.7969	0.9125	0.8127	0.8029	0.6962	0.9373	0.9290	0.9276	0.9014	0.8714	0.9777	0.9458	1.0000	0.9425	0.8565	0.9709	0.9732	0.8663	-0.9504	0.8822	0.4452	0.8737	0.9790
ADM	0.7014	-0.7014	0.6527	0.7532	0.6999	0.7622	0.9273	0.6400	0.8217	0.7234	0.0128	0.7377	0.8494	0.7290	0.7168	0.6379	0.9054	0.9060	0.8919	0.8911	0.8426	0.9263	0.8954	0.9425	1.0000	0.8056	0.9212	0.9333	0.8516	-0.9345	0.8529	0.4582	0.8372	0.9304
GSM	0.6374	-0.6374	0.5970	0.6765	0.7377	0.7802	0.8911	0.7293	0.8112	0.7294	-0.1842	0.6512	0.7373	0.6699	0.6505	0.5747	0.8363	0.7837	0.7719	0.8478	0.8313	0.8974	0.9358	0.8565	0.8056	1.0000	0.8756	0.8784	0.8762	-0.8396	0.9783	0.4744	0.9140	0.8752
IGM	0.7728	-0.7728	0.7538	0.8303	0.6905	0.7649	0.9645	0.6612	0.8464	0.7255	-0.0768	0.7826	0.9088	0.8284	0.8083	0.7009	0.9559	0.9466	0.9351	0.9218	0.8845	0.9839	0.9564	0.9709	0.9212	0.8756	1.0000	0.9788	0.8767	-0.9601	0.9019	0.4270	0.8851	0.9873
SRSIM	0.7685	-0.7685	0.7431	0.8300	0.6981	0.7635	0.9652	0.6619	0.8306	0.7215	-0.0589	0.8116	0.9094	0.8172	0.7992	0.7061	0.9522	0.9435	0.9326	0.9241	0.8858	0.9887	0.9617	0.9732	0.9333	0.8784	0.9788	1.0000	0.8824	-0.9676	0.9083	0.4396	0.9021	0.9777
SFF	0.6028	-0.6028	0.5768	0.6741	0.6265	0.6826	0.8603	0.6211	0.7913	0.6708	-0.0664	0.6824	0.7918	0.6677	0.6519	0.5137	0.8619	0.8385	0.8235	0.8850	0.8761	0.8833	0.9370	0.8683	0.8516	0.8762	0.8767	0.8824	1.0000	-0.8714	0.8901	0.3735	0.9430	0.8799
GMSD	-0.7526	0.7526	-0.7295	-0.7978	-0.6429	-0.7214	-0.9334	-0.6079	-0.8000	-0.6717	-0.0091	-0.7643	-0.8904	-0.8154	-0.8030	-0.6612	-0.9210	-0.9561	-0.9496	-0.9326	-0.8966	-0.9642	-0.9328	-0.9504	-0.9345	-0.8396	-0.9601	-0.9676	-0.8714	1.0000	-0.8771	-0.3670	-0.8774	-0.9584
ESSIM	0.6555	-0.6555	0.6067	0.6962	0.7331	0.7763	0.9051	0.7096	0.8181	0.7405	-0.1395	0.6715	0.7611	0.6784	0.6555	0.6106	0.8802	0.8282	0.8062	0.8856	0.8537	0.9158	0.9429	0.8822	0.8529	0.9783	0.9019	0.9083	0.8901	-0.8771	1.0000	0.4735	0.9217	0.9050
WASH	0.3060	-0.3061	0.0617	0.1374	0.8023	0.7604	0.5088	0.7801	0.6836	0.793																								

SROCC values for quality metrics for TID2013 database (2/2)

	DSS	ADD_GSIM	DD_SSII	MCS	MDSI	UNIQUE	PSIM	CVSSI	RHMA_I	DSI	CSSIM	CSSIM4	SSIM4	HaarPSI	RVSIM
PSNR	0.7261	0.7521	0.7487	-0.7607	-0.6658	0.5705	0.6831	-0.7749	0.7377	-0.7107	0.6929	0.6013	0.7828	0.6620	0.5888
MSE	-0.7261	-0.7521	-0.7487	0.7607	0.6658	-0.5704	-0.6831	0.7749	-0.7377	0.7107	-0.6929	-0.6013	-0.7828	-0.6620	-0.5888
WSNR	0.7520	0.7287	0.7047	-0.7376	-0.6351	0.5882	0.6625	-0.7210	0.6865	-0.5149	0.7289	0.7421	0.7861	0.6180	0.4369
NQM	0.8336	0.8045	0.7877	-0.8196	-0.7173	0.7043	0.7339	-0.7964	0.7329	-0.5919	0.7698	0.7718	0.8254	0.7067	0.5330
UQI	0.6473	0.7102	0.6821	-0.6435	-0.6069	0.6129	0.6071	-0.6734	0.4742	-0.7091	0.5489	0.3043	0.7113	0.6253	0.8861
SSIM	0.6885	0.7623	0.7497	-0.7143	-0.6835	0.6634	0.6808	-0.7554	0.5908	-0.8068	0.6145	0.3443	0.7782	0.6891	0.9146
MSSIM	0.9222	0.9478	0.9516	-0.9279	-0.8829	0.8597	0.8762	-0.9446	0.8244	-0.8161	0.8461	0.6538	0.9562	0.8704	0.8451
IFC	0.6068	0.6652	0.6105	-0.5981	-0.5824	0.5969	0.5922	-0.6276	0.4309	-0.6454	0.5239	0.2647	0.6803	0.5999	0.8999
VIF	0.7728	0.8360	0.8064	-0.7872	-0.7600	0.7462	0.7656	-0.8096	0.6735	-0.7724	0.6826	0.4159	0.8183	0.7759	0.9479
VIFP	0.6422	0.7244	0.6901	-0.6708	-0.6455	0.6328	0.6460	-0.7018	0.5368	-0.7561	0.5441	0.2771	0.6917	0.6709	0.9467
MSVD	-0.0448	-0.0626	0.0202	0.0166	0.0664	-0.0974	-0.1136	0.0039	-0.0274	0.1127	-0.0458	-0.0477	-0.0587	-0.0696	-0.1476
QLV	0.7634	0.7679	0.7605	-0.7792	-0.6975	0.5956	0.6954	-0.7841	0.7065	-0.7743	0.6356	0.5093	0.7340	0.7127	0.6492
VSNR	0.8714	0.8603	0.8771	-0.8798	-0.8024	0.7599	0.8022	-0.8845	0.8174	-0.6801	0.7858	0.6640	0.8666	0.7941	0.6420
PSNRHV	0.8051	0.7987	0.7885	-0.8062	-0.7133	0.6409	0.7385	-0.8094	0.7809	-0.6234	0.7815	0.7120	0.8542	0.7033	0.5480
SNRHVS	0.8020	0.7839	0.7771	-0.7918	-0.6946	0.6343	0.7191	-0.7918	0.7542	-0.5759	0.7780	0.7265	0.8466	0.6793	0.5039
CWSSIM	0.7208	0.6973	0.6630	-0.7215	-0.5994	0.5751	0.6139	-0.6752	0.6204	-0.5649	0.6177	0.6847	0.6698	0.5832	0.4193
RFSIM	0.8916	0.9278	0.9181	-0.9185	-0.8680	0.8276	0.8675	-0.9307	0.8445	-0.8139	0.7950	0.6026	0.8861	0.8823	0.8545
PSNRHA	0.9209	0.9352	0.9404	-0.9459	-0.8694	0.7972	0.8667	-0.9514	0.9031	-0.7919	0.8105	0.6541	0.8900	0.8651	0.7316
SNRHM	0.9272	0.9271	0.9326	-0.9364	-0.8541	0.7931	0.8561	-0.9389	0.8870	-0.7384	0.8321	0.7021	0.9050	0.8431	0.6781
PSNRHA	0.8992	0.9167	0.9152	-0.9253	-0.9205	0.8384	0.9097	-0.9279	0.9638	-0.7887	0.8458	0.6932	0.8606	0.9141	0.7314
SNRHM	0.8780	0.8808	0.8780	-0.8868	-0.9102	0.8434	0.9087	-0.8838	0.9681	-0.6794	0.8958	0.7976	0.8498	0.8996	0.6331
FSIM	0.9533	0.9692	0.9475	-0.9576	-0.9044	0.8682	0.9077	-0.9646	0.8484	-0.8199	0.8572	0.6728	0.9577	0.9009	0.8505
FSIMc	0.9227	0.9433	0.9145	-0.9266	-0.9549	0.9269	0.9603	-0.9341	0.8837	-0.7978	0.9138	0.7367	0.9314	0.9477	0.8379
IWSSIM	0.9397	0.9519	0.9651	-0.9456	-0.8861	0.8607	0.8783	-0.9572	0.8428	-0.7926	0.8512	0.6815	0.9470	0.8779	0.8064
ADM	0.9063	0.9259	0.9493	-0.9287	-0.8718	0.8294	0.8445	-0.9394	0.8255	-0.8111	0.7724	0.5912	0.8684	0.8549	0.7930
GSM	0.8466	0.8767	0.8208	-0.8339	-0.9041	0.8722	0.9108	-0.8405	0.8314	-0.7517	0.8800	0.6945	0.8960	0.8778	0.8224
IGM	0.9453	0.9594	0.9430	-0.9531	-0.8980	0.8637	0.9009	-0.9587	0.8620	-0.7980	0.8560	0.6835	0.9493	0.8924	0.8280
RSIM	0.9555	0.9655	0.9495	-0.9663	-0.9089	0.8623	0.9060	-0.9684	0.8646	-0.8259	0.8472	0.6807	0.9380	0.9071	0.8234
SFF	0.8454	0.8612	0.8599	-0.8573	-0.9546	0.9434	0.9467	-0.8687	0.9004	-0.7092	0.9023	0.7311	0.8269	0.9503	0.7729
GMSD	-0.9715	-0.9634	-0.9587	0.9846	0.9125	-0.8535	-0.9046	0.9898	-0.8650	0.8138	-0.8279	-0.6456	-0.9206	-0.8947	-0.7782
ESSIM	0.8770	0.9096	0.8635	-0.8787	-0.9273	0.8833	0.9209	-0.8807	0.8543	-0.7952	0.8616	0.6839	0.8812	0.9040	0.8400
WASH	0.3485	0.4223	0.4050	-0.3540	-0.3238	0.3134	0.3134	-0.3905	0.2339	-0.5464	0.2311	-0.0351	0.4362	0.3619	0.7353
VSI	0.8658	0.8836	0.8612	-0.8758	-0.9699	0.9481	0.9707	-0.8782	0.9210	-0.7375	0.9348	0.8085	0.8541	0.9588	0.7389
IQM2	0.9447	0.9609	0.9532	-0.9544	-0.8976	0.8776	0.8996	-0.9596	0.8568	-0.7922	0.8516	0.6775	0.9427	0.8931	0.8260
DSS	1.0000	0.9645	0.9405	-0.9794	-0.8926	0.8521	0.8927	-0.9653	0.8353	-0.8096	0.8258	0.6835	0.9250	0.8775	0.7530
DD_GSIM	0.9645	1.0000	0.9706	-0.9660	-0.9093	0.8581	0.9060	-0.9655	0.8576	-0.8363	0.8368	0.6722	0.9309	0.8937	0.8118
DD_SSII	0.9405	0.9706	1.0000	-0.9535	-0.8932	0.8470	0.8718	-0.9654	0.8549	-0.8089	0.8163	0.6427	0.9073	0.8709	0.7708
MCS	-0.9794	-0.9660	-0.9535	1.0000	0.9070	-0.8490	-0.8989	0.9850	-0.8583	0.8384	-0.8159	-0.6655	-0.9033	-0.8910	-0.7689
MDSI	-0.8926	-0.9093	-0.8932	0.9070	1.0000	-0.9413	-0.9784	0.9108	-0.9279	0.7615	-0.9197	-0.7707	-0.8540	-0.9636	-0.7489
UNIQUE	0.8521	0.8581	0.8470	-0.8490	-0.9413	1.0000	0.9443	-0.8506	0.8640	-0.6727	0.9184	0.7896	0.8325	0.9352	0.7406
PSIM	0.8927	0.9060	0.8718	-0.8989	-0.9784	0.9443	1.0000	-0.9009	0.9280	-0.7377	0.9391	0.8028	0.8682	0.9644	0.7527
CVSSI	-0.9653	-0.9655	-0.9654	0.9850	0.9108	-0.8506	-0.9009	1.0000	-0.8595	0.8448	-0.8235	-0.6427	-0.9174	-0.8932	-0.7943
RHMA_I	0.8353	0.8576	0.8549	-0.8583	-0.9279	0.8640	0.9280	-0.8595	1.0000	-0.7091	0.8925	0.7929	0.8062	0.9210	0.6485
DSI	-0.8096	-0.8363	-0.8089	0.8384	0.7615	-0.6727	-0.7377	0.8448	-0.7091	1.0000	-0.6046	-0.4179	-0.7528	-0.7509	-0.7916
CSSIM	0.8258	0.8368	0.8163	-0.8159	-0.9197	0.9184	0.9391	-0.8235	0.8925	-0.6046	1.0000	0.9068	0.8825	0.8984	0.6625
CSSIM4	0.6835	0.6722	0.6427	-0.6655	-0.7707	0.7896	0.8028	-0.6427	0.7929	-0.4179	0.9068	1.0000	0.7053	0.7524	0.4011
SSIM4	0.9250	0.9309	0.9073	-0.9033	-0.8540	0.8325	0.8682	-0.9174	0.8062	-0.7528	0.8825	0.7053	1.0000	0.8326	0.7959
HaarPSI	0.8775	0.8937	0.8709	-0.8910	-0.9636	0.9352	0.9644	-0.8932	0.9210	-0.7509	0.8984	0.7524	0.8326	1.0000	0.7714
RVSIM	0.7530	0.8118	0.7708	-0.7689	-0.7489	0.7406	0.7527	-0.7943	0.6485	-0.7916	0.6625	0.4011	0.7959	0.7714	1.0000