

IMAGE SUPER RESOLUTION

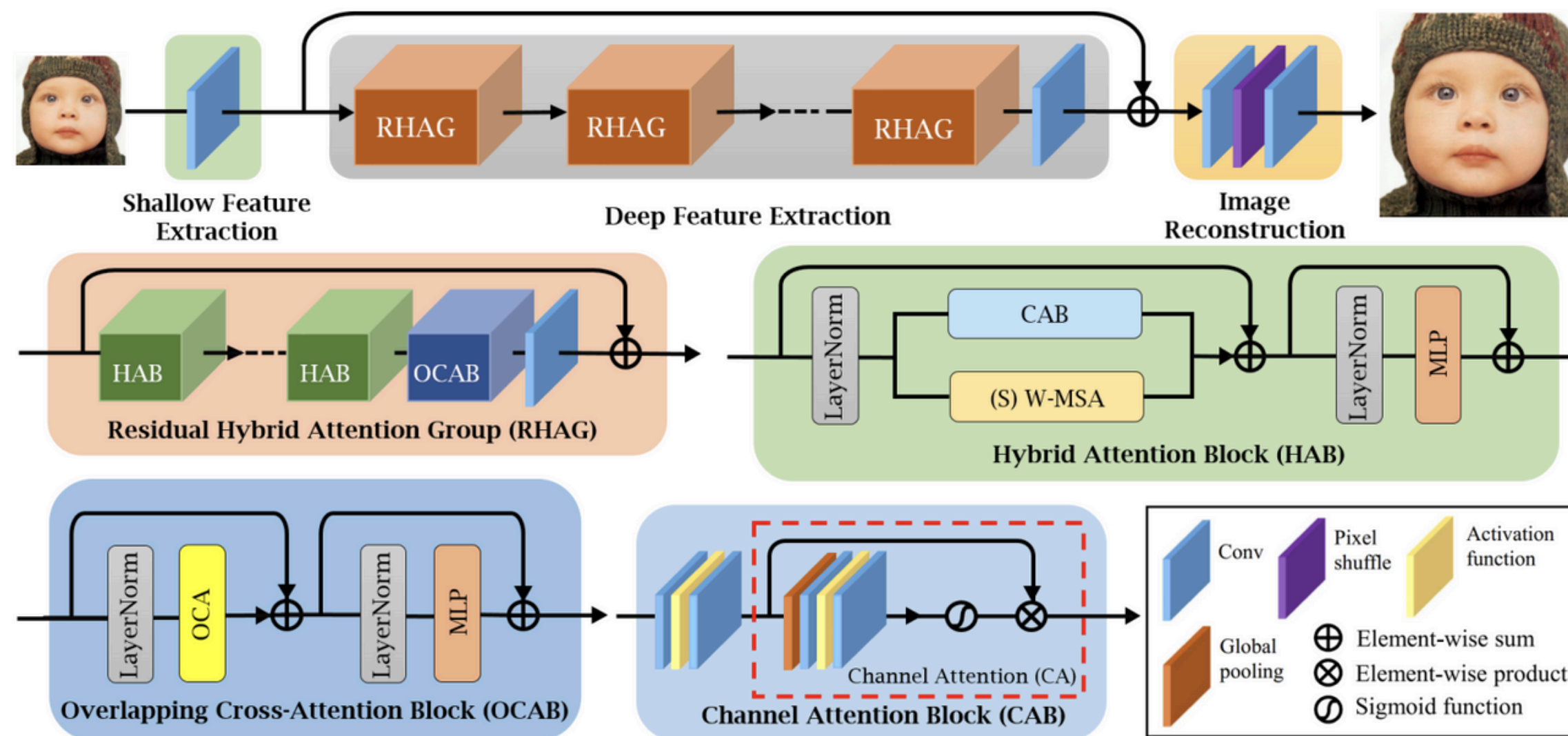
Team 12

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MODEL ARCHITECTURE

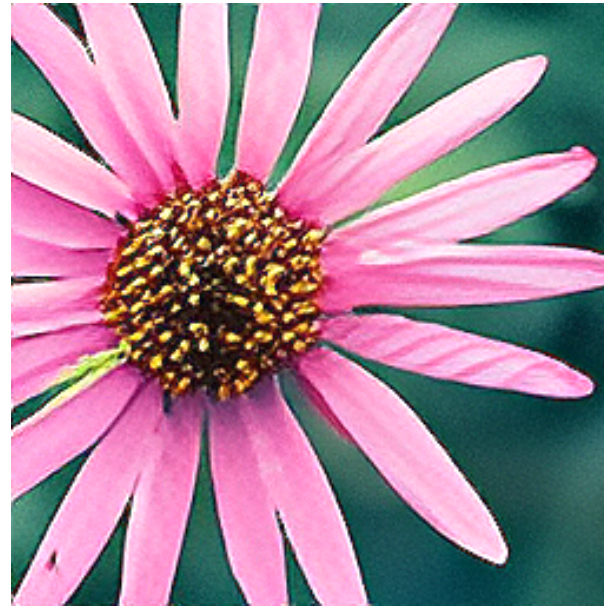
Activating More Pixels in Image Super-Resolution Transformer



FILTER



Gaussian



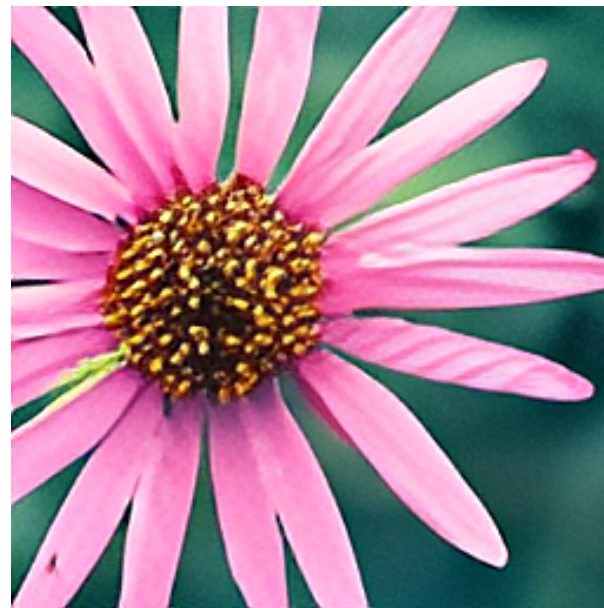
Laplacian



HEQ



Median



Unsharp mask

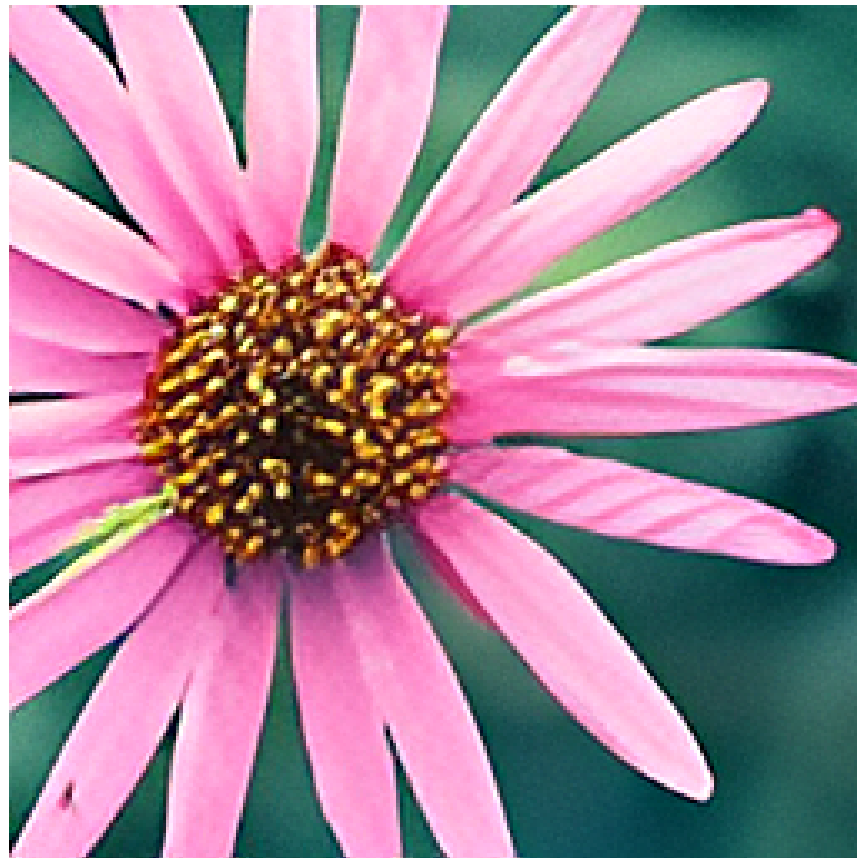


CLAHE

METRIC

15 images average	None	Gaussian	Median	Laplacian	Unsharp mask	HEQ	CLAHE
NIQE	5.83	7.87	8.65	8.91	4.86	5.09	4.99
BRISQUE	19.71	45.39	43.66	48.83	15.60	22.22	19.48

IMPROVEMENT



1xHAT + Filter



2xHAT + downscale + filter



2xHAT + filter + downscale

COMPARISON

Original



1xHAT



2xHAT + filter + downscale





THANK YOU