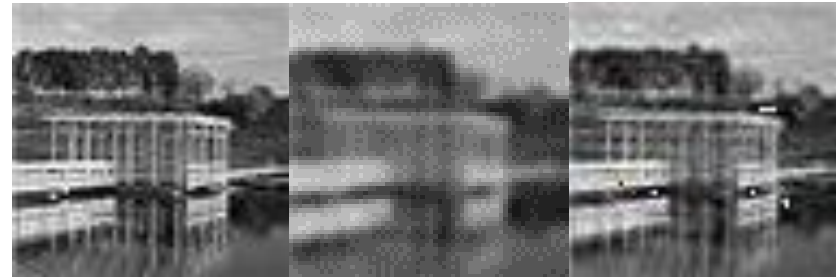
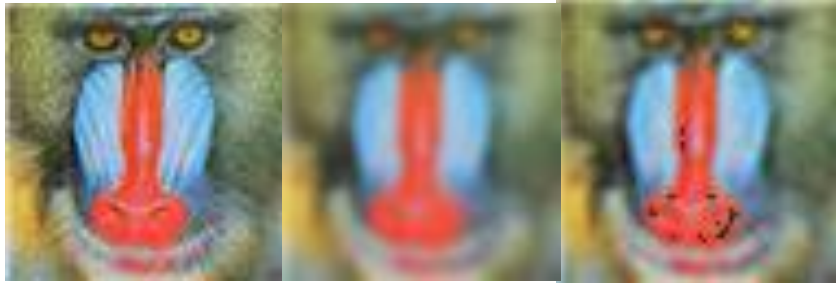


Image De-blurring



<pre> image idx is 0 Device(s): 1 im width 64 and height 48 computing red channel sum is 20449.000000 sum is 36538960.000000 rho 36538960.000000 ho = 3.6539e+07 sum is 17430.111328 sum is 36336592.000000 sum is 417.478424 sum is 47121.156250 sum is 417.478424 sum is 47121.156250 rho 47121.156250 h rho = 47121.2 sum is 201.898361 sum is 25394.878906 sum is 5.112568 sum is 7284.874023 sum is 5.112568 sum is 7284.874023 rho 7284.874023 th rho = 7284.87 sum is 2.914986 sum is 3060.687256 sum is 0.975524 sum is 2548.687988 sum is 0.975524 sum is 2548.687988 sum is 0.975524 th rho = 2548.69 sum is 2548.687988 </pre>	<pre> Solution found at iteration #3, with rho = 2298.604736 minrho was 2298.604736 errors: sum 1943.36 avgs 0.632604 max 5.11252 </pre>	<pre> Solution found at iteration #3, with rho = 2548.687988 minrho was 2548.687988 errors: sum 2056.94 avgs 0.669578 max 5.32315 </pre>
	<pre> computing blue channel sum is 27556.000000 sum is 39350256.000000 rho 39350256.000000 ho = 3.93503e+07 sum is 24770.892578 sum is 39148184.000000 sum is 256.240295 sum is 44689.609375 sum is 256.240295 sum is 44689.609375 rho 44689.609375 h rho = 44689.6 sum is 125.629654 sum is 25342.796875 sum is 5.424701 sum is 5876.559570 sum is 5.424701 sum is 5876.559570 sum is 5.424701 th rho = 5876.56 sum is 5876.559570 </pre>	<pre> computing green channel sum is 25281.000000 sum is 44693580.000000 rho 44693580.000000 ho = 4.46936e+07 sum is 22348.333984 sum is 44502508.000000 sum is 318.299774 sum is 44972.011719 sum is 318.299774 sum is 44972.011719 rho 44972.011719 h rho = 44972 sum is 153.617157 sum is 24465.589844 sum is 4.640921 sum is 6795.639648 sum is 4.640921 sum is 6795.639648 rho 6795.639648 th rho = 6795.64 sum is 2.242290 sum is 2844.440430 sum is 1.113567 sum is 2298.604736 sum is 1.113567 sum is 2298.604736 sum is 1.113567 th rho = 2298.6 sum is 2298.604736 </pre>
<pre> Solution found at iteration #3, with rho = 2548.687988 </pre>	<pre> Solution found at iteration #2, with rho = 5876.559570 minrho was 5876.559570 errors: sum 2942.7 avgs 0.95791 max 8.51184 </pre>	
	<pre> total time is 202.435287 </pre>	<pre> Solution found at iteration #3, with rho = 2298.604736 </pre>

Conjugate Gradient Linear Systems Solver