

CALIFORNIA STATE SCIENCE FAIR 2009 PROJECT SUMMARY

Name(s)	Project Number		
Isaac A. Loftus	J1608		
Project Title Image Compression: Does It Really Matter?			
		Objectives/Goals Abstract	
		The objective of my science project is to determine which in image to a smaller file size but still produces good image qu Iethods/Materials	nage compression method compresses the ality when printed.
I used a digital camera to take a picture, a compression prog five different formats (JPEG, TIFF - lossy & lossless, PNG,			
paper to print the images. I had 5 judges rate the quality of t			
repeated this process five times and documented the results. Results			
The results of this experiment showed that pictures compres more often as having better image quality than pictures that			
Conclusions/Discussion In conclusion, through this experiment, I learned that the JPI	EG compression method results in the best		
image quality and should be used for the compression of an	image when quality is important.		
Summary Statement I am investigating which compression method, (JPEG, PNC	TIFF GIF) compresses files and also		
produces the best image quality when printed.	, mr, on , compresses mes and also		
lelp Received			
My Mother helped get judges for project and helped me figu	re out how to compile data for graphs.		