

1086-65-1964 **Peter Blomgren*** (blomgren.peter@gmail.com), Department of Mathematics and Statistics,
San Diego State University, 5500 Campanile Dr, San Diego, CA 92182. *Developing a "light-weight"
skin cancer image screening system.*

Telemedicine is designed to help resolve disparities in health resource distribution. One of the critical factors for the success is access to high quality medical information, mostly in resource-limited settings. We use a modified light-field digital camera to acquire high-quality surface images, and develop computational image processing tools to aid skin cancer screening and diagnosis. (Received September 24, 2012)