Degree of burn as a function of T_a , depth, and time for P=70 W, E_{pixel} =400 mJ 300 0.7 350 400 0.6450 500 0.5 1st degree burn 2nd degree burn Time/s 0.4 -3rd degree burn 0.3 0.2 0.1 0.0 0.02 0.00 0.04 0.06 0.08 0.10 Depth/cm