digital library of duluth a 3 ply composite skin consists of the outer por-tion of a streatchable composite embeded with sensors to respond to its environment, the middle a section of muscles, and the inner a replica of the outer. this creates a skin which is flexible yet re-—muslce graphic embeded in outer skin a hydrophobic surface coating allows for influx of O2 through the permeable surface while restrict-—muscles bridging connection between skins \_muscle graphic of embeded muscles in inner skin ultra energy efficient carbon nanotube based composite muscles become the underlying control mechanisim for the library's ablity to respond to situational influences Drinking water is to be harvested from rain fall, it is then transfered to the inner skin via minature tu-bules which form to move the water via peristalsis. It subsequently pools in the middle of the innner skin to be used as drinking water. DULUTHPUBLICLIBRARY Web Images Groups News Froogle Maps more »

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