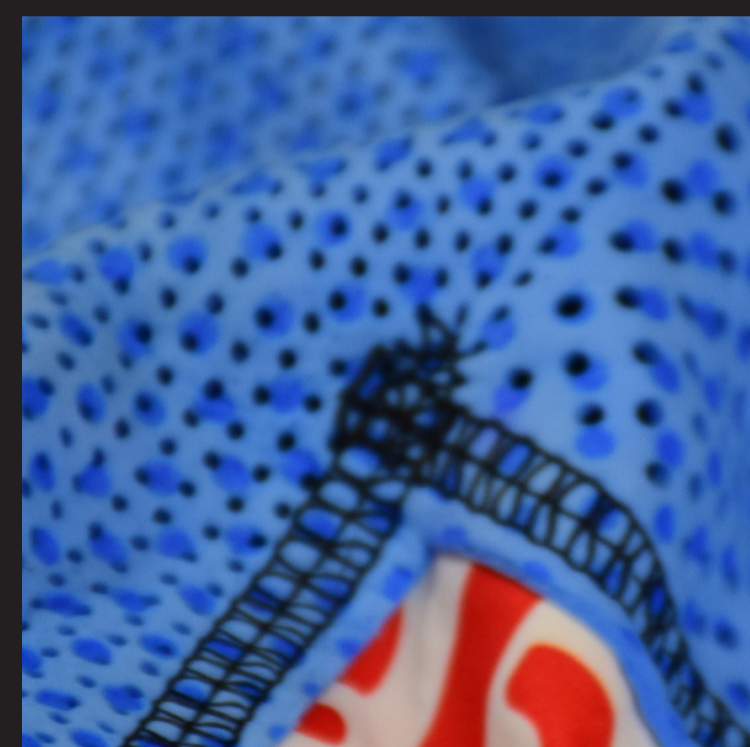


Tokyo 2020, Olympics cyclist's jersey

Application of Polyvinyl Alcohol (PVA) fabric for cycling clothing

Summer Olympics 2020 will take place in Tokyo, Japan. The event is scheduled from 24th July to 9th August 2020. During this time of the year, Tokyo is expected to be very hot and humid. Cycling in such environment will result in reduction of performance.



The goal of this project is to "design clothing for Dutch Olympic cyclists with PVA material integrated in it so as to reduce the rate of increase of core body temperature during a road race"

This goal is achieved by using PVA for sweat management purpose. PVA reduces the wetness of the skin and acts as a reservoir to store excess sweat.

By cutting holes in PVA the evaporation rate can be altered. Therefore holes are made in it. Conservation of mass principle, human body's sweating pattern is used to find the number of holes required in the PVA.



Mane Sanket Nitin
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cycling clothing
28th August 2019
Integrated Product Design

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