

Why we Can See the Image

by

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August 17, 2019

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Mysteries of the Shroud

- Image
 - Why can we see the image?
 - How was the image formed?
- Date
 - What is the date of the Shroud?
 - What about the C¹⁴ dating?
- Blood
 - How did it get onto the Shroud?
 - Why is it still reddish?

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- On the RESEARCH page:
- Paper 5: “Information Content on the Shroud of Turin”
- Paper 6: “Role of Radiation in Image Formation on the Shroud of Turin”
- Paper 22: “Image Formation on the Shroud of Turin”

Components of Reality

- Mass
- Space
- Time
- Energy
- Information
 - We live in the information age.

CAD/CAM

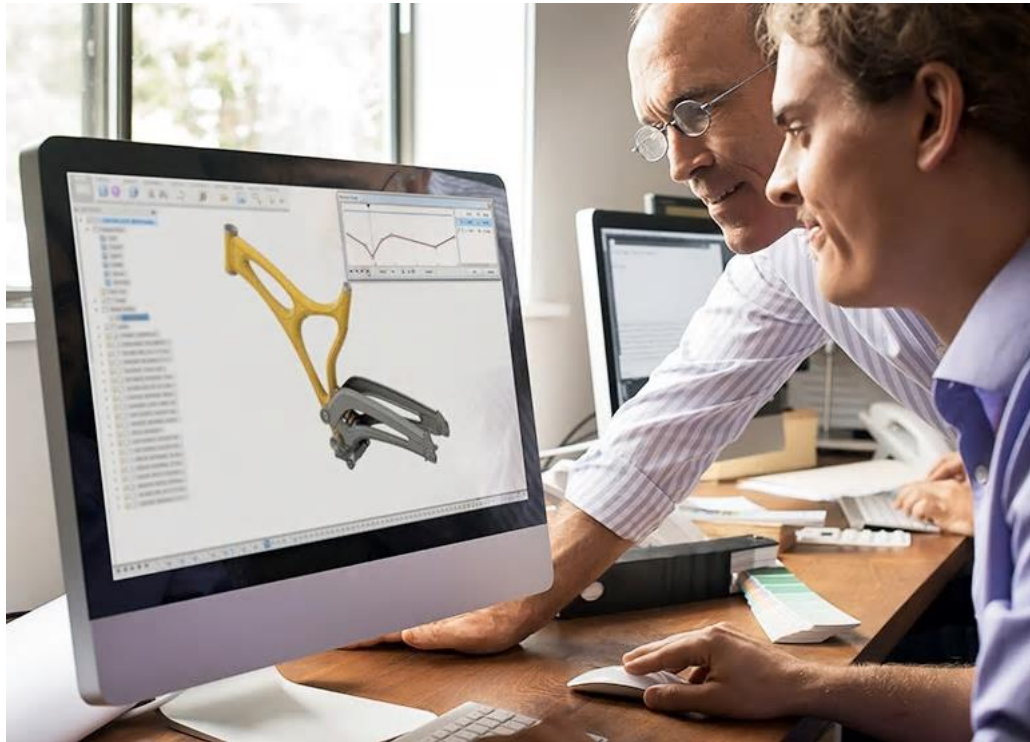
- CAD = computer aided design
- CAM = computer aided machining
- 3 requirements for CAD/CAM
 - equipment / mechanism
 - energy
 - information

CAD/CAM

- What information?
- The information that defines the design.

Computer Aided Design

- The design is information

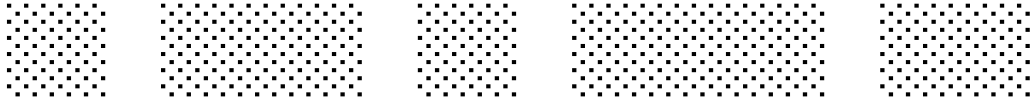


Computer Aided Machining

- Mechanism + energy + information



Examples of Information

1. She saw a black cat.
2. Hes wsa a calbk tac.
3. Bcs ask I ahate awc.
4. bc saSk la h.ate awc
5. 
6. There is information in the location of the dots / pixels

Every image is due to Information

- Newspaper
- Magazine
- Photograph
- TV
- Computer Monitor
- Image on the Shroud of Turin

To Form Any Image

- Three Requirements
 - Mechanism
 - Energy
 - Information
- What information?
 - That which defines the image

Image on a Photograph

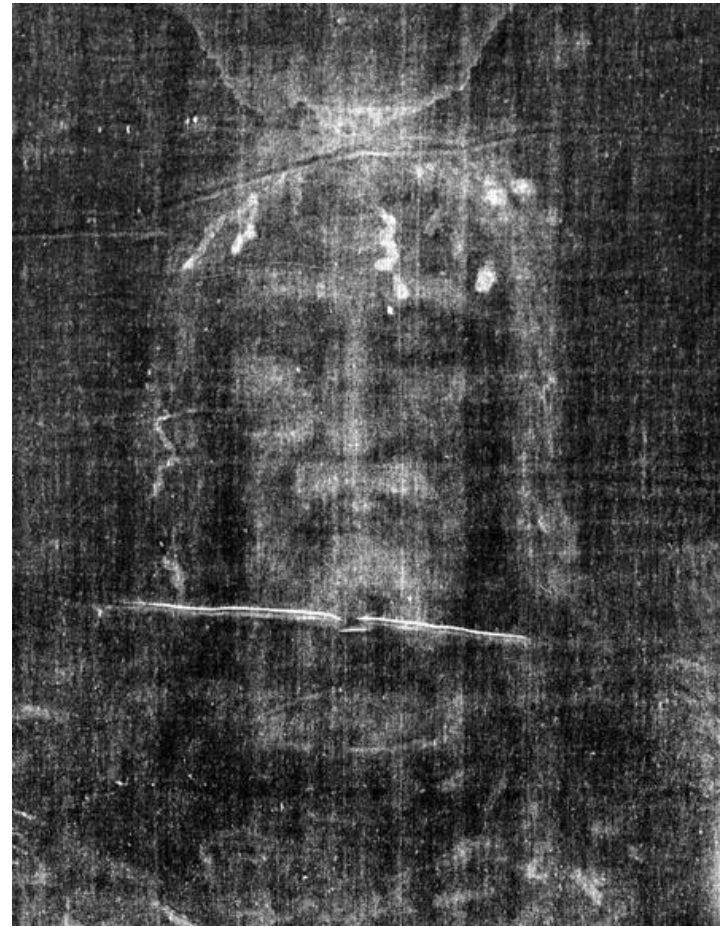
The information that defines her appearance is encoded into the location of the pixels that form the image.
Pixels = dots of color

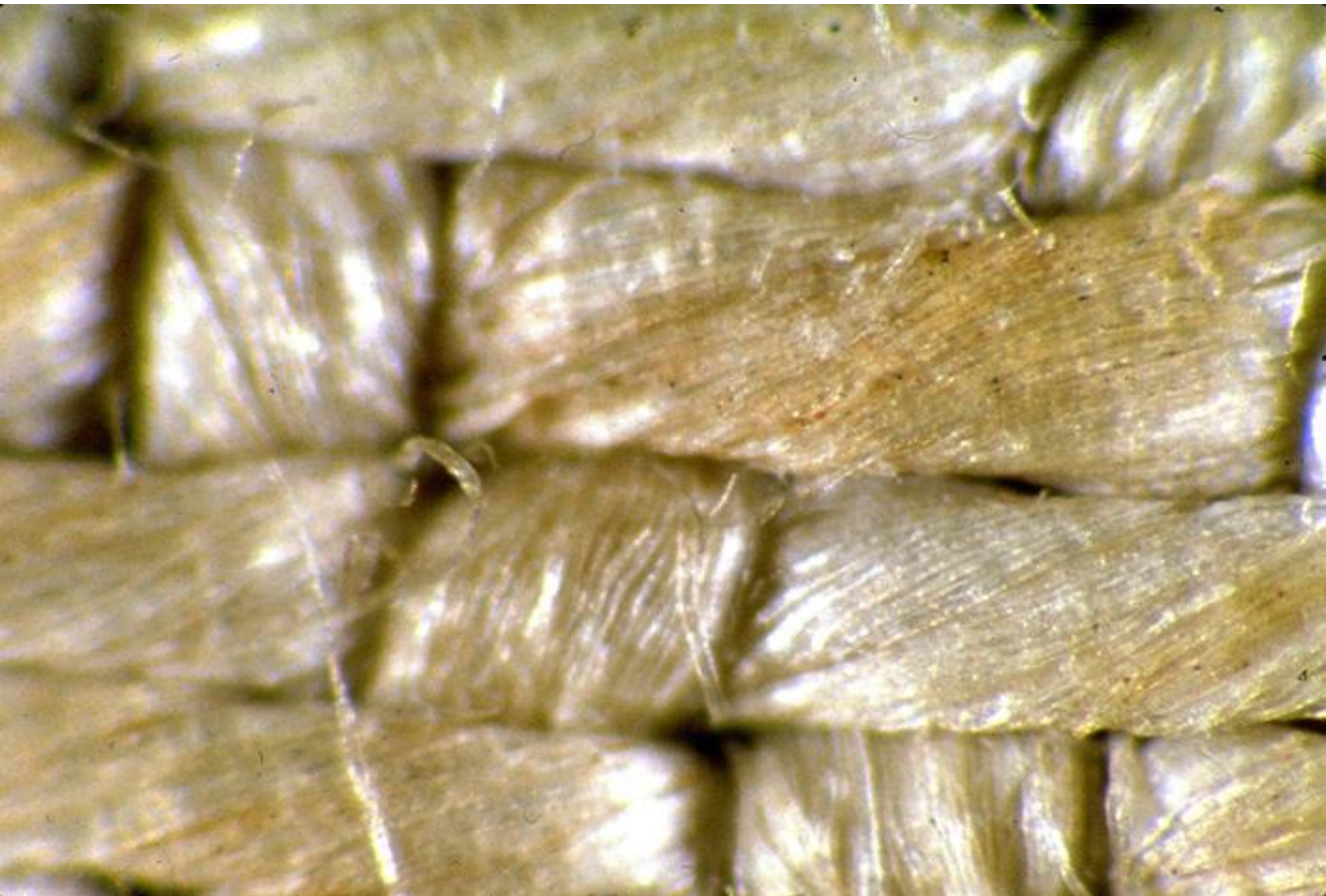


Image on the Shroud

The information that defines his appearance is encoded into the location of the pixels that form the image.

Pixels = discolored fibers





Information

- Type: that which defines the image
- Content: positions, shades, colors
- Must be transported from its source to where the image is formed
- For a photograph
- For the Shroud
 - Source: from the body, not the limestone
 - Endpoint: to the Shroud

First Seven Decades of Research

- Dr. Yves Delage, Prof. of Comparative Anatomy, Paris 1900-1902
- Dr. Paul Vignon, Professor of Biology, Paris 1900-1943
- Dr. Pierre Barbet, Prof. of Anatomy, Paris 1932-1961
- Dr. Robert Bucklin, M.D, Forensic Examiner, LA 1941-1993
- Dr. Frederick Zugibe, Chief Medical Examiner, NY 1953-2002
- Dr. Alan D. Adler, Prof. of Chemistry, Conn. State U. 1978-2000
- Dr. John Heller, Prof. of Medical Physics, Yale 1978-1995
- Dr. John Jackson, Prof. of Physics, Air Force Aca. 1978-
- Dr. Baima-Bollone, Chief of Forensic Medicine, Turin 1978-

A Dead Crucified Body

- A body was wrapped in the Shroud
- The blood came from the body
- STURP in 1981: “We can conclude for now that the Shroud image is that of a real human form of a scourged, crucified man. It is not the product of an artist.”
- The image was formed by the body

Ways to Transport Information

- Radiation: photons or particles
- Waves in a medium: sound
- Direct contact: fingers on a keyboard
- Electron flow through wires
- Diffusion of molecules: smell or taste
- Waves in a field: gravity waves

Why we can see the image

- The information required to define the appearance of a naked crucified man
- Was transported from the body to the Shroud
- By radiation: probably charged particles and/or photons
- Absorbed onto the Shroud
- To encode the information into the pattern of discolored fibers in the image

Why we can see the image

- The information required to define the appearance of a naked crucified man has been encoded into the pattern of discolored fibers in the image.
- This information is communicated to our eyes by reflected photons.
- Electrical signals up our optic nerves
- Our brains have learned to recognize this information as a naked crucified man

Thank You

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