

## Hidden Figures -- the American Dream and the untold story of the black women mathematicians who helped win the space race

non-fiction book by Margot Lee Shetterly, has won numerous awards for her research on women in computing.

- Shetterly is the founder The Human Computer Project, dedicated to research and archiving the work of women computers in the early days of what became NASA.
- The film adaptation of the book received three Oscar nominations.
- Shetterly has just recently published an illustrated children's picture book: *Hidden Figures: The True Story of Four Black Women and the Space Race*.
- Based on real-life stories of female mathematicians at the Langley Research Center (later named NASA) who were responsible, in great measure, for the calculations that made possible the moon landing, and much more.
- It is the story of 4 specific African American women, who, over a period of 30 years, participated in some of NASA's greatest successes
- It's about a time when computers wore skirts!

Hidden Figures is about ...

- the Hypersonic Wind Tunnel
- Sputnik and the space race
- the moon landing and John Glenn
- Project Mercury

- how satellites orbit the earth - and how the initial calculations were made by the computer Katherine Johnson - before there were electronic calculators

Hidden Figures is about ...

- breaking the sound barrier, and
- breaking other barriers -- then and now
  - impacts of segregation on everyday life - then and now
  - impacts of school segregation - then and now
  - President Truman desegregating the military
  - women in engineering - then and now

Hidden Figures is timely:

- in learning about and celebrating the contributions of African Americans
- great interest in STEM, and in particular, women in STEM -- Science, Technology, Engineering and Mathematics
- great interest in space travel
- great interest in technological advances
- great interest in social justice and access to high quality education for all, and in particular, women and minority women

Find out more here:

<http://margotleeshetterly.com/>

<http://www.hiddenfigures.com/>

<https://www.smithsonianmag.com/history/forgotten-black-women-mathematicians-who-helped-win-wars-and-send-astronauts-space-180960393/>

<http://www.hiddenfigures.com/bio/>

"Hidden Figures" author Margot Lee Shetterly speaks with Ryan Heathcock

<https://www.youtube.com/watch?v=PdbPkCGUq9k>

Margot Lee Shetterly On Her Inspiration for Writing "Hidden Figures"

<https://www.youtube.com/watch?v=SB3GCW9g4L4>

Left of Black host Dr. Mark Anthony Neal sits down with author Margot Lee Shetterly to discuss her new book, "Hidden Figures".

<https://www.youtube.com/watch?v=cHLBiTnp-uw>

Margot Lee Shetterly: The Black Women Who Helped Win the Space Race

<https://www.youtube.com/watch?v=zxGI9WI80m0>

"Hidden Figures" Katherine Johnson Awarded Presidential Medal of Freedom In 2015

<https://www.youtube.com/watch?v=rIWJFNAN4XI>

Explanation of what Katherine Johnson calculated using Euler's Method

<https://www.youtube.com/watch?v=gdxYsVniOYo>

Katherine Johnson documentary

<https://www.youtube.com/watch?v=H332VyyS9r4>