

How did Alan Turing's ideas and inventions impact Britain's war effort during WWII, did any other mathematicians' contributions come near Turing's in terms of advancing cryptanalysis and what was the legacy of Turing and his work?

War's advancements of technology and the way people have grown with homosexuals.

This paper goes through the crucial thinking of researchers during WWII, specifically those of Alan Turing, and his legacy after. Alan Turing was instrumental in breaking the Enigma code, creating the first computer, a test of artificial intelligence, and showing the people of today how to stand up for themselves. In cooperation with many of the brightest mathematicians today Alan Turing developed the Bombe to break the Enigma Code. Unrevealed to most, the Poles saw through the Nazi's and discovered their flaws. This led to the shortening of the war by an estimated two years. Post war, Turing came up with one of the first modern ideas of artificial intelligence, or AI, in an attempt at answering his own question, "can machines think". Turing came up with ideas beyond his time leading to the technology used today. The injustices that followed Turing's secret heroism were gruesome. Turing's life and career were cut short because he was prosecuted by the British government for having sex with a man, an act which was illegal at the time. Although not affecting the development of technology later in life, his legacy and death influenced many. Turing had to go through chemical "therapy" for two years, unwilling to give up on his work, opposed to going to prison. In 2015, the British government pardoned him with a petition signed by major scientists and 37000 others. The pardon came from the ministers who had previously said that Turing was properly convicted for the crime at the time.