

Alan Mathison Turing, OBE, FRS (23 June 1912 - 7 June 1954) was an English mathematician, logician and cryptographer. Turing is often considered to be the father of modern computer science. He provided an influential formalisation of the concept of the algorithm and computation with the Turing machine. With the Turing test, meanwhile, he made a significant and characteristically provocative contribution to the debate regarding artificial intelligence: whether it will ever be possible to say that a machine is conscious and can think. He later worked at the National Physical Laboratory, creating one of the first designs for a stored-program computer, the ACE, although it was never actually built in its full form. In 1948, he moved to the University of Manchester to work on the Manchester Mark 1, then emerging as one of the world's earliest true computers. During the Second World War Turing worked at Bletchley Park, the UK's codebreaking centre, and was for a time head of Hut 8, the section responsible for German naval cryptanalysis. He devised a number of techniques for breaking German ciphers, including the method of the bombe, an electromechanical machine that could find settings for the Enigma machine. Turing was homosexual, living in an era when homosexuality was still both illegal and officially considered a mental illness. Subsequent to his being outed, he was criminally prosecuted, which essentially ended his career. He died not long after, under what some believe were ambiguous circumstances.

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fA tɪl ov modin kɪmpyutɹ sɪns. hɛ prɔvɪdɪd an
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mæʃn. wɪtɪ tɪl
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kərɪktɹɪsɪdɪkəl prɪvokətɪv kɒntrɔbyʊʃn tʊ tɪl
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dɪzɪnz fɔ a sɔrd– prɔgram kɪmpyutɹ, tɪl æs,
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1948, hɛ mʊvd tʊ tɪl ɹɜnɹvɜrsɪtɛ ov mænçɪstɹ
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tʊreɪʒ wɒz hɔmɔsɛkʃnəl, lɪvɛɪ ɪn an ɛrɹ wɛn
hɔmɔsɛkʃnəlɪtɛ wɒz sɪl bɔtɪ ɪlɛgəl and
ɹfɪʃnəl kɪnsɪdɪd æ mɛntɔl ɪlnɪs. sɹbsɪkwɪnt tʊ hɪz
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ɪsɛnʃnəl ɛndɪd hɪz kɹɛɹ. hɛ dɪd nɔt lɔɹ Aftɹ,
ɹndɹ wɔt sɹm bɪlɛv wɜr æmbɪɹuɪs sɜrkɪmsdænsɪz.