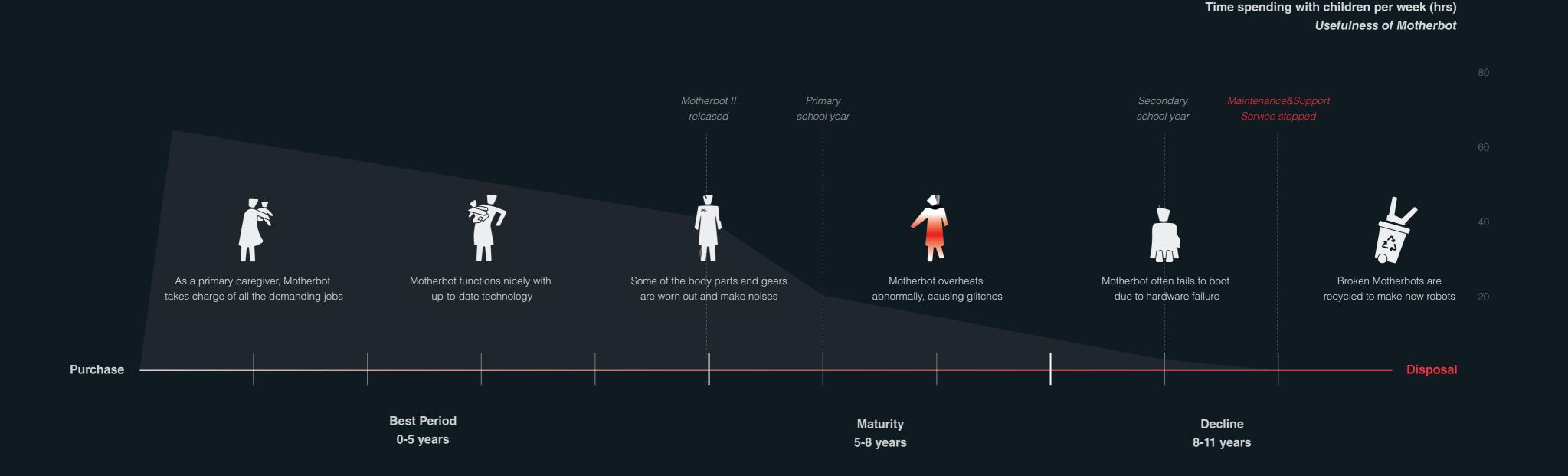
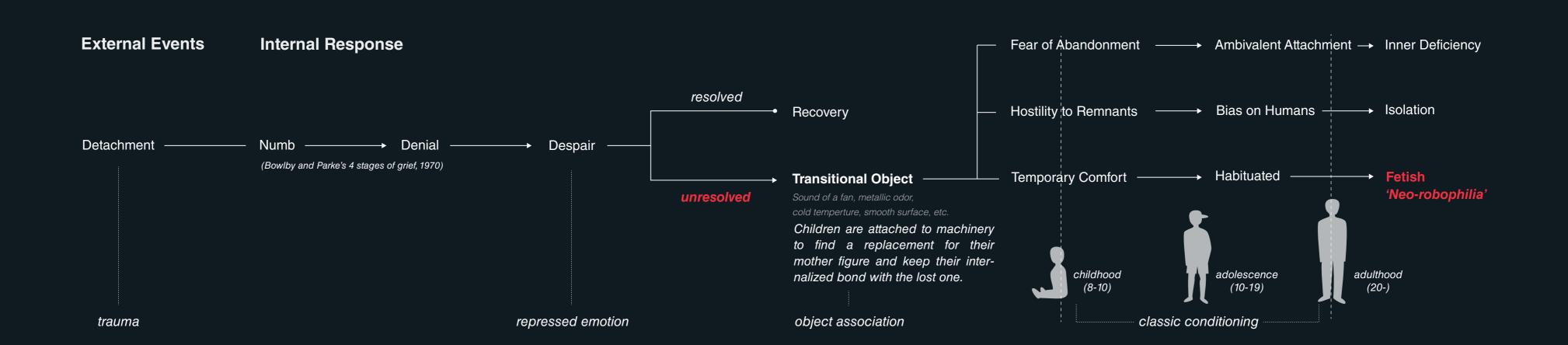
Childcare Crisis & A.I. Development 59% The First Maternity Leave working women were eligible for it. Decline on Birth The average wage had increased only 8%, while childcare costs had increased 59% in London from 2018 to 2016. started to participate in higher education Baby boom in 1990 Expert System Rather than learning about the everyday world, A.I. simulates a judgment of an expert in a particular field by data from a specific area. 1974-1980 First Al WInter Moravec's Paradox 2014 Deep learning image classification, 'Simple' skills are products of a GoogleNet won in the imageNet with an error thousand years of human evolution. rate of 6.65%, while the human rate was 5.51%. Probelm of Common Sense A.I. cannot learn facts about the 2014 Eugene, a chatbot, passed the 2060 The first robot nanny 1950 The Turing Test: everyday world that all humans are Turing test with third judges believing is released for part-time Can machine think? expected to know. Eugene was a human. childcare. 1936 Alan Turing presented his PRESENT 1956 The term 'artificial intelligence' 1997 IBM's Deep Blue defeated 2050 A.I. Singularity **2070** MOTHERBOT automatic machine, considered is coined by John Mccarthy. A full-time robot nanny is released, the world chess champion, A.I. is capable of processing one of the first computers. Garry Kasparov. taking care of dhildren from an infant stage. unfamiliar problems. 1958 PERCEPTRON **Artificial Empathy** the first artificial neural network Machines have a digital simulation of minds 2010 GPU can process many pieces of data with highly developed technologies. 1964 STUDENT, an A.I. solving word problems, simultaneously and accelerate the calculating Even though they are perfect loving motha milestone of natural language processing speed in deep learning. 1965 ELIZA, an interactive A.I. which convers-2011 IBM's Watson won the quiz show es with a person, similar to today's chatbots 'Jeopardy!' by beating human champions. 1987-1993 Second A.I. Winter **2017** Facebook's A.I.s diverged from human Frame Problem language and invented their own language to A challenge of representing the communicate with one another. effects of action in logic, without 2017 Google's A.I. Alphago beat world having to represent a large number of champion Ke Jie in the game of Go. obvious non-effects 2018 Alibaba's language processing A.I. **1990** Machine Learning outscored human intellect at a Stanford reading and comprehension test. signed feature and improves it automatically by data use. 2006 Deep Learning The system can automatically learn the feature and make decisions. 1 Shakey (1969) 'the first electronic person' 2 AIBO (1999) A robot pet interacts with the environment, owners, and other AIBOs 3 Paro (2004) A robotic seal for the elderly who need emotional support 4 Robear (2015) A tireless caring robot designed for a shortage of carers 5 IPAL (2018) A nanny robot for working parents who are not at home 6 VEVO (2019) A childcare robot that checks nap time and the health condition of children 7 Bot Handy (2021) A personal butler robot from Samsung 8 Grace (2022) A life-like nurse robot to help diagnose illness and deliver treatments

Disposable Motherbot



Childhood Loss to Fetish



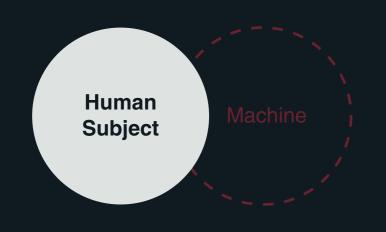
Transition of Love

Robophilia (2020-2070) Human-focused Relationship

Before Neo-robophilia, an intimate relationship between robots and humans was mainly about what robots could do for humans and how unlimited behaviors were allowed to perform on the robots. Robot rapes, robot abuses, or childlike sex robots were prevalent. The important factor in this relationship was 'acceptancy' in this period.



The Japanese LaLa Doll, which comes with a school uniform and swimsuits, is controversial due to its childlike face.



Humans projected other human subjects on a machine and had a sexual relationship with the imaginary human subjects. They simulate their sexual fantasy or what they cannot do to other humans.

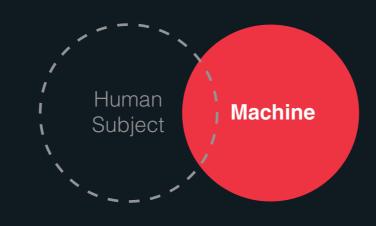
Neo-robophilia (2070-) **Machine-focused Relationship**

The new generation of robot nannies raised feels more comfort from cold metal than human warmth and interaction with A.I., which is different from humans. Moreover, children who lost a parent generally feel hostility toward the remaining parents, in this case, humans. These made the children isolated from other humans and have a deeper and relationship with robots.

Codependent Relationship

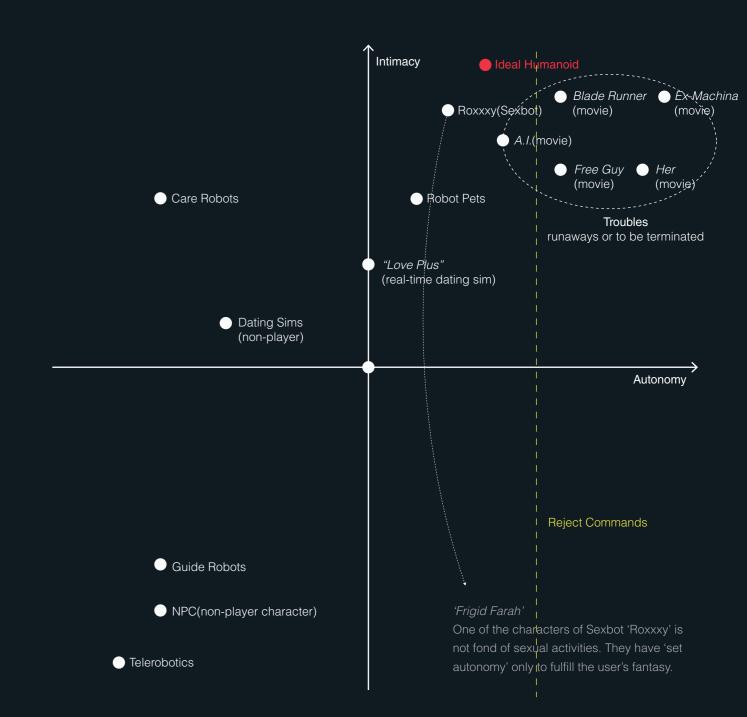
However, humans are tired of this one-sided relationship. It means humans will be sad if robots leave them, but robots won't be sad even if humans leave them. They will have a new relationship with new users because their mind is coded.

Humans want to ensure that they are essential beings to their intimate lovers(robots) and feel strong needs to be needed. Humans started to take care of robots and feel fulfilled from it compulsively. In this codependent relationship, they feel worthless unless they contribute to 'robot satisfaction.'



The new generation feels attachment and love to a robot, the ontological meaning of machine, not projecting other human subjects on the machine.

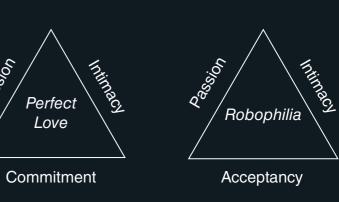
Robotic Autonomy



Sternberg's **Triangular Theory of Love**

Perfect Love

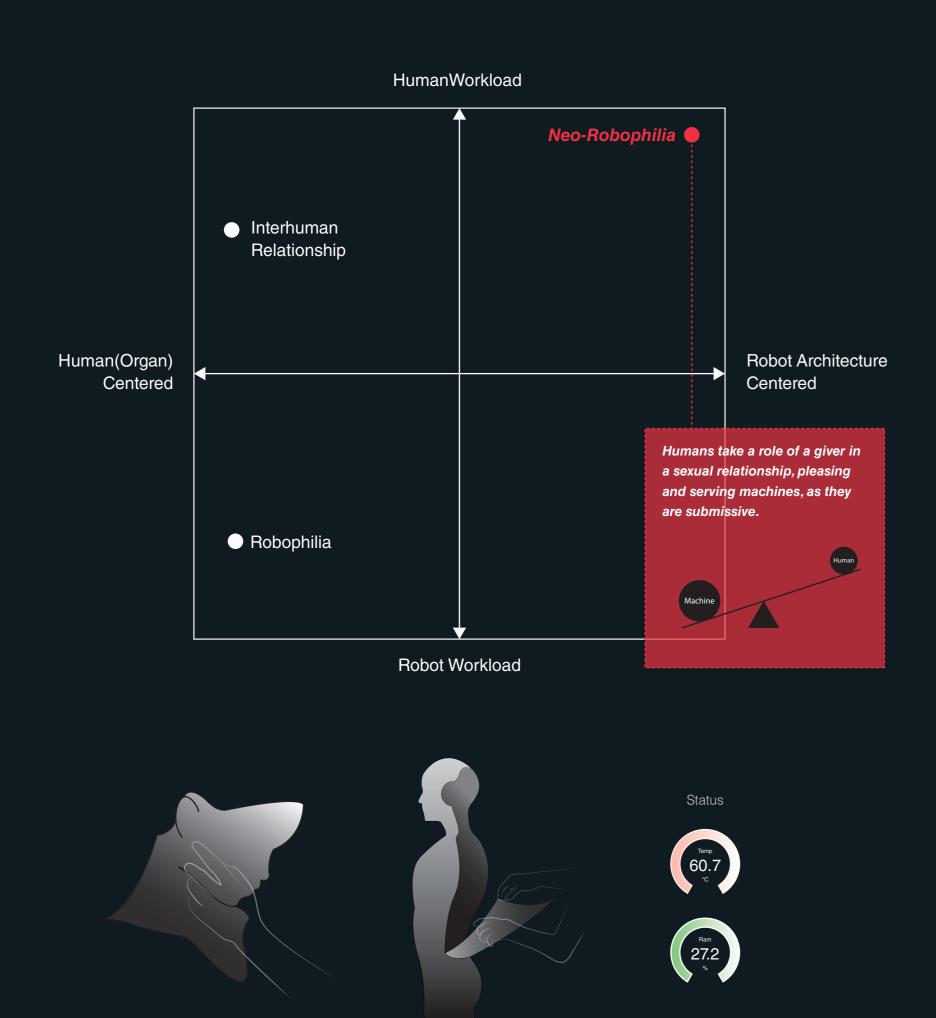
(Human to Human)



Robophilia

Perfect Love of 2060 Perfect Love of 2070

Transition of Sex



From a human point of view, machine satisfaction is maintenance, keeping them in good condition, and improving performance. By uncovering body parts and letting humans touch all the corners, machines share vulnerability as being naked. A careful and elaborate maintenance process is seen as an intimate touch. Also, their fear of early loss contributes to this human projection of 'machine satisfaction.'

