1.1.)

(1988), U. of Poursylvania

· Topio (TOSy Robotics, Vietnam), four high speed comeres, neural networks not (yet) pro (evel

· students from U. of Adelaide

· Not: Bell-laundering madeires (they don't really play)

not yet, see Urban Challenge (2007)

conser of Cairo: highly dynamie, un predictable

VS. UC: well-defined scenarios, human drivers

obey treffic rules

(most of the time)

de) yes: GIB, Jack, WBridge 5

de) yes: dozens of automated theorem provers

exist, e.g.: Vompire, Poradox, Other, E

discovering (or judging the relevance) of

new theorems however difficult

mostly assist

e. no: computer-gene vated prose usually untilentionally funny.

most systems only estern back what has been memorised or generate new jokes following a certain scheme or pattern

difficult: needs at least natural language understanding and common source reasoning.

yes: e.g. Prolog-based system for social security and national law in the UK (however always Umited olomains)

yes: e.g. Wohlster's West mobil (2000)
restricted Lopics such as making
appoint ments, booking travels, etc.

also MASTOR (IRM) Google Trous lake

Necessary techniques: ASR (Auton. Speech Recogn.)

NLU (Naturel lang. Underst.)

MT (Madetul Transl.)

NLG (Natural Lang. Gen.)

TTS (Text to Speech)

h.)

yes: robots perform surgical operations

but always undo the control of

a doctor.

ROSOFOC cleared by U.S. FDA

¥1.

Per fo	\	vivon ment	Achiators	Seu sors
clomes Ho	tosks, consumption	home envisonment (furniture, house-hold stems, humans pets)	wheels, robotic arms + grippes, louel speaker	microphone, ultra soute, intra red cam, loser vange frobers, camera, IMU (inertial measur. unt7)
polæs plæytng agent	# won games,	poker game (cords, drips, opponents)	check, call, bet, fold, raise	pronents' actions, \$\ps \low + app.), community cards
1940A	amount & quality of data, travelled distance, speed, Life span	Mars surface (soil, dust, rads, other rovers, weather,) voltage of butt.	wheels, roboHc arms, solar panel, rodio (sender)	radio (receiver), Cam, chroma to graph, spectrum meters