APPLICATION

PERFECT COPY The most sophisticated robots can be created from simulation programs. We create a very simple program of our own to demonstrate the principles of robot simulation

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HARDWARE

DRESSED TO OL We review the Spectrum+, the new machine from Sinclair, which answers the keyboard criticisms of the old machine but leaves a few problems unsolved



SOFTWARE

PROBLEM SOLVER TK! Solver for the 804 more expensive micros is the most advanced spreadsheet we have looked at so far

STARS ON SCREEN Starfinder is a 820 remarkable astronomy program for the BBC Micro and Electron



COMPUTER SCIENCE

ENDGAME Our LOGO adventure game is now complete as the magical genie sees you safely to the end of the quest



IARGON

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PROGRAMMING PROJECTS

ON LOCATION We continue to develop an adventure game in BASIC



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MACHINE CODE

LAST ORDERS Our machine code debugger program is almost complete. In this instalment we look at an interrupt mechanism that transfers control from the main program to the debugger program



WORKSHOP

IN THE BEGINNING We begin new 810 projects for the Commodore 64 and BBC

> INSIDE BACK

Micro in which we build a floor robot

REFERENCE CARD We publish the final

part of the Z80 programmers' reference card

COVER

Next Week

currently available on the market, starting with those priced under £200.

 The 6809 machine code series comes to an end as we publish the final part of the

examine the Touchmaster graphics tablet, which can be interfaced to a wide range of home micros.



1) Apart from the keyboard, what other new feature has been added to the Spectrum+, and where is it?

2) What kind of motor are we using to build the robot and why is this type more suitable for the purpose?

3) What kind of addressing would we expect to use to access an array in the computer's memory?

4) What is the difference between an equation processor and a spreadsheet?

Answers To Last Week's Quiz

1) If the software written for one model of computer in a manufacturer's range will work on all succeeding models in the range, it is said to be 'upward compatible'.

2) 'Daisy chaining' means sharing a data bus or power supply among several devices by connecting the output of one device to the input of the next, and so on around the chain.

3) In Lotus 1-2-3 commonly-used sequences of keystrokes can be saved and named as a sub-program; this is called a 'keyboard

4) INVENTORY is a command used in most adventure games to display the list of your possessions.

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