Figure 2 Circulating gait

Insert photograph (4.5" tall)

Figure 3 Martian surface

Figure 4 Modules in the integrated walking system

Figure 5 Graphical user interface

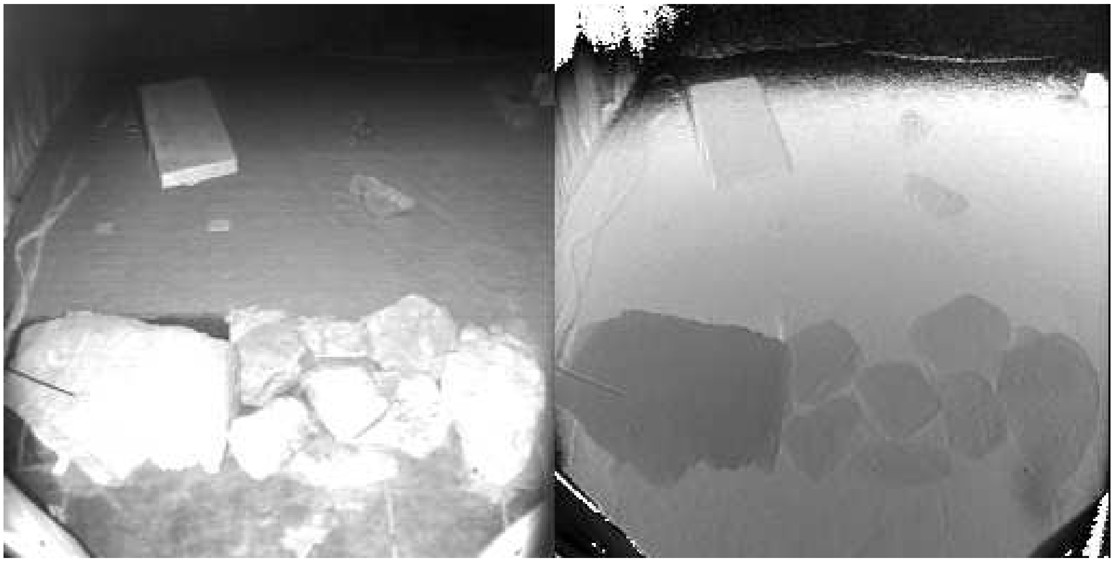


Figure 6 Reflectance and range images

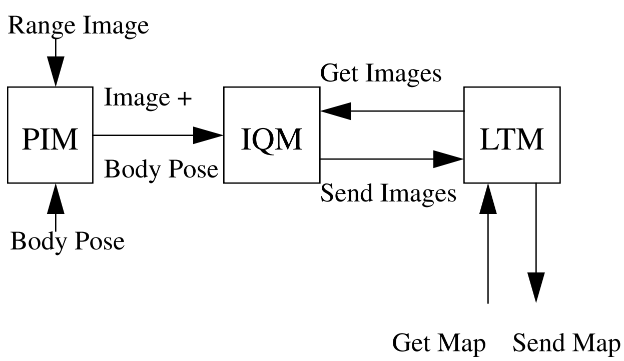
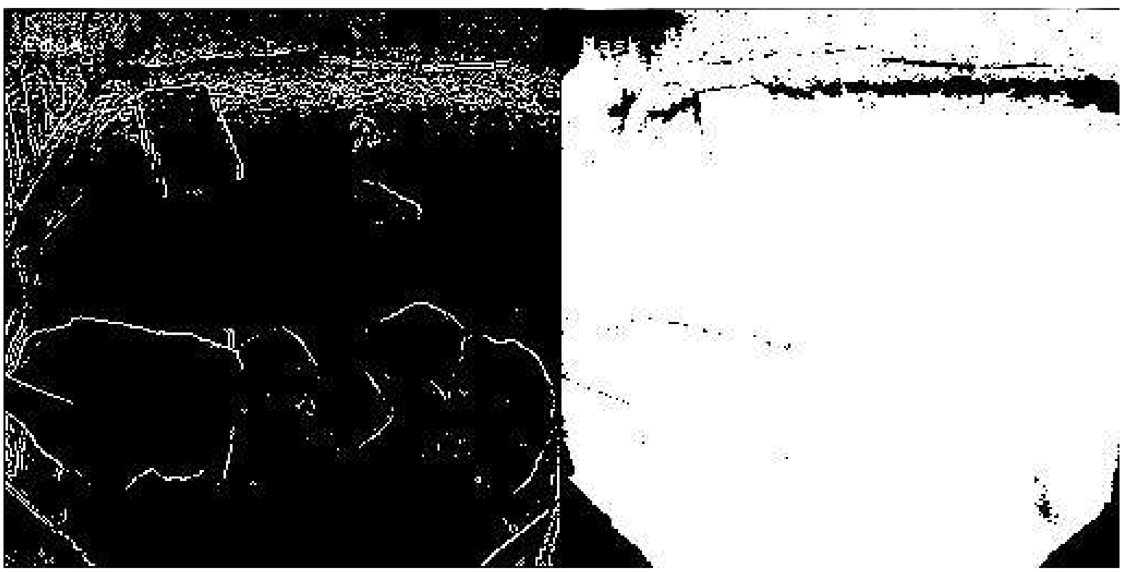


Figure 7 Perception system modules



(a) **(b)**

Figure 8 Preprocessed range image

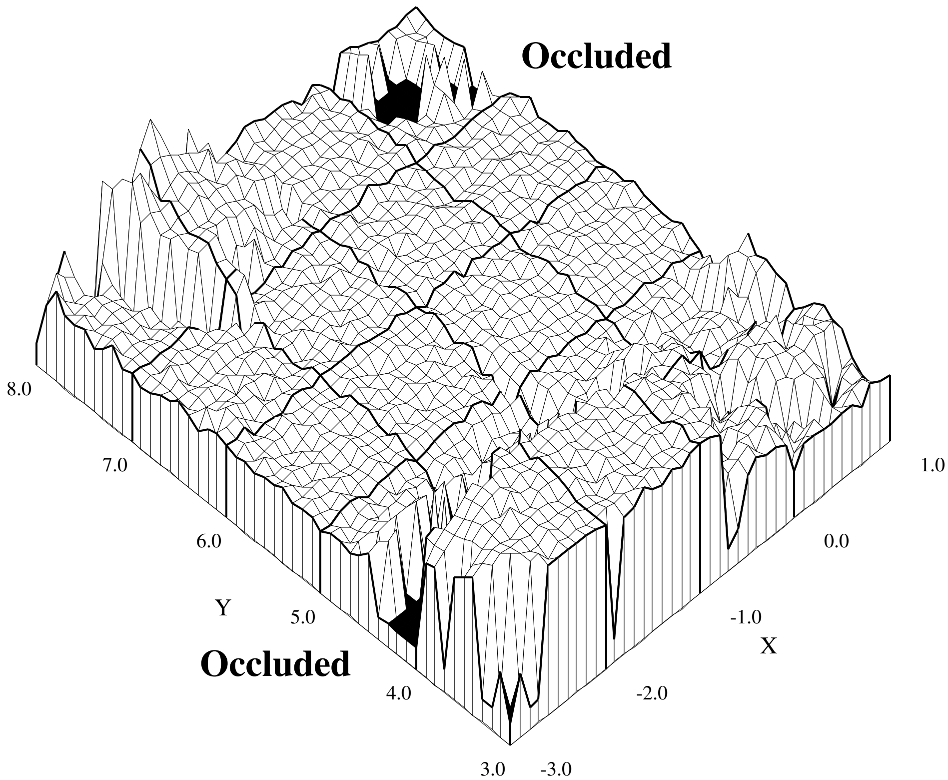


Figure 9 Elevation map

Figure 10 Stack reachability constraint

Figure 11 Conservative support polygon

Figure 12 Constraints on geometrically feasible footfalls

Figure already imported into latex file.

Figure 13 Dead-reckoned position error

Figure 14 Task tree for Ambler walk planning

Figure 15 Timings of Ambler modules

Figure 16 Task tree with monitors and exception handlers

Insert photograph (3" tall)

Figure 17 Ambler traversing indoor obstacle course

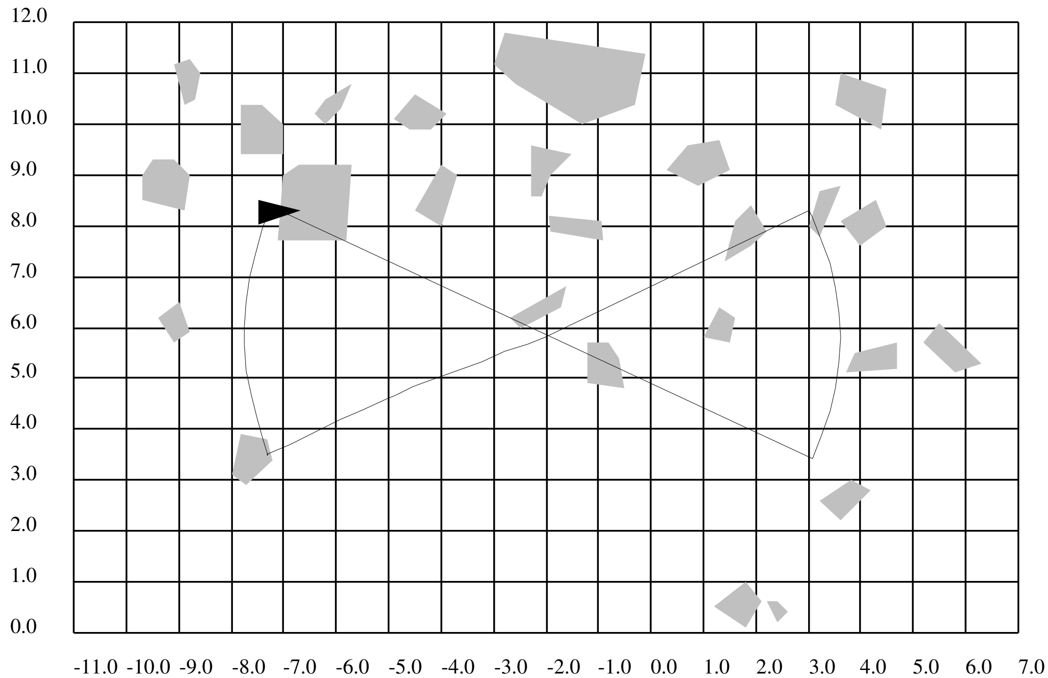


Figure 18 Top view of figure-eight circuit

Insert photograph (5" tall)

Figure 19 Ambler walking 527 m in field