

RYU 控制器

路由控制算法

控制平面

网络操作系统

安全通道

监控

WIRESHARK

数据平面

Switch 1

iperf

Host 1

iperf

Host 2

MININET 仿真平台

The diagram illustrates a network architecture divided into two main horizontal sections by dashed lines. The top section is labeled '控制平面' (Control Plane) and contains a '网络操作系统' (Network Operating System) which houses the '路由控制算法' (Routing Control Algorithm). This section is connected to a 'RYU 控制器' (RYU Controller) on the left. The bottom section is labeled '数据平面' (Data Plane) and features a central 'Switch 1' represented by a cylinder with four arrows pointing outwards. Below the switch are two hosts, 'Host 1' and 'Host 2', each with an 'iperf' application. A '安全通道' (Secure Channel) is indicated by a dashed line between the control and data planes. A 'WIRESHARK' application is shown on the right, with an arrow labeled '监控' (Monitoring) pointing from the switch area towards it. The entire setup is part of a 'MININET 仿真平台' (MININET Simulation Platform).