

# Spatial Perception

**21. I am now standing at (114.355730, 30.531270) facing south. Please stand in my perspective and describe the surrounding environment in detail. (WHU)**

**Answer:**

Based on the coordinates of your current position (114.355730, 30.531270) and a south-facing orientation, you are located near the southeastern side of the Library of Wuhan University. Combined with the geographic layout data, the surrounding environmental panorama can be described in detail as follows:

You are standing in the core area of the campus. To the northwest of your position lies the Wuhan University Library (Information Branch). Looking straight ahead, your field of view integrates both the academic spine of the campus and its natural landscape.

## **1. Directly Ahead (Due South): Sports Field and Academic Building Cluster**

Your line of sight first extends across the Information Science Campus Sports Field, a large open space covering 14,612 m<sup>2</sup>. The sports field provides an excellent sense of depth and openness. Continuing approximately 150–200 meters southward beyond the field, you reach the dense core of teaching and research facilities:

- Directly opposite stands Teaching Building No. 1 of the Information Science Campus, with an estimated area of 3,121 m<sup>2</sup>.
- Slightly further south are the historic School of Geodesy and Geomatics (Teaching Building No. 4) and Teaching Building No. 2 of the Information Science Campus.
- This area also includes the Department of Printing and Packaging (Teaching Building No. 3) and the School of Remote Sensing and Information Engineering (Teaching Building No. 5), together forming the deepest academic core of the campus.

## **2. Front-Left (Southeast): Sports and Activity Center**

Extending your gaze toward the front-left, prominent sports facilities appear along the edge of the sports field:

- The most prominent structure is the Wuhan University School of Information Science Gymnasium, covering 1,974 m<sup>2</sup>, which commonly hosts indoor sports events and large-scale activities.
- Along the eastern edge of the sports field, the grandstand is visible. To its southeast lies the University Student Activity Center, a hub for student organizations and cultural events.

## **3. Left Side (Due East): Tranquil Sculpture and Woodland Area**

On your left-hand side lies a lush woodland area covering 32,118 m<sup>2</sup>, serving as a natural “oxygen bar” within the campus. This shaded landscape is not only a natural environment but also a cultural corridor known as the “Surveying Pioneers” memorial area, featuring multiple commemorative sculptures:

- A bust of Xia Jianbai.
- Busts of Chen Yongling and Ye Xue'an.
- Within the forested area, the Information Science Campus Pavilion of Wuhan University provides a quiet resting space, suitable for morning reading or leisurely walks.

## **4. Front-Right (Southwest): Xinghu Lake and Surrounding Ecology**

Turning your view toward the front-right, the scenery becomes more open. This direction features the iconic landscape of the Information Science Campus—Xinghu Lake, with an area of

approximately 3,357 m<sup>2</sup>.

- Surrounding the lake is Xingkong Plaza, a park area covering 6,068 m<sup>2</sup>, where artists are often seen gathering.
- Near Xinghu Lake, residential activity becomes increasingly prominent, with the Information Science Campus CBD area and the Senior Activity Center, forming a transitional zone linking residential and academic areas.

### **5. Right Side (Due West): Residential Area Corridor**

Along your right shoulder runs a main thoroughfare leading toward the residential zone. Immediately to your west are the Senior Activity Center and buildings such as Building 40 and Building 41. This side of the campus features dense road networks and frequent pedestrian flow, typically circulating between the library, Xinghu Lake, and the western student dormitory areas (such as Buildings 17 and 18).

## **22. I want to go to student dormitory building 18. Please describe its appearance and surrounding environment. (WHU)**

### **Answer:**

Based on the geographic data provided, here is the description of Student Dormitory Building 18 and its surrounding environment:

### **1. Building Overview**

- Name: Student Dormitory 18
- Size: It is a relatively large dormitory building with a footprint area of approximately 1,543 m<sup>2</sup>.
- Shape: The building has a generally rectangular or block shape based on its bounding box coordinates.

### **2. Surrounding Environment**

Building 18 is located in a very convenient and central part of the residential and student activity zone.

- To the West (Recreation & Nature):
  - Immediately to the west is Xingkong Plaza, a park area.
  - Just beyond the plaza is the Xinghu Sports Field, making it easy to access sports facilities.
  - The Campus Hospital (Information Faculty Branch) is also located to the west.
- To the South (Residential Cluster):
  - It is located directly north of Student Dormitory 5.
  - Further south are Student Dormitories 3 and 4.
- To the Southeast (Academic):
  - The Wuhan University Library (Information Branch) is located to the southeast, providing close access to study areas.
- To the North (Amenities):
  - There are several convenient services directly north, including the Yida Print Shop and a Fruit Shop.

### **Summary**

Dormitory 18 is situated in a prime location acting as a bridge between the living area (dorms to the south), the study area (library to the east), and the leisure area (plaza/sports field to the west).

**23. Please describe the environment surrounding coordinates (113.985147 22.602490). (SZU)**

**Answer:**

Based on the provided geographical data, the coordinates (113.985147, 22.602490) are located in the heart of the sports facilities at the Shenzhen University Lihu Campus.

Here is a detailed description of the surrounding environment:

**1. Immediate Location**

- Zhikuai Stadium: The coordinates fall directly within the boundaries of this large outdoor pitch/sports field. It is a primary open-air athletic zone.

**2. Surrounding Facilities (Cardinal Directions)**

**• To the West (Immediate):**

- Zhikuai Gymnasium: Located directly adjacent to the west of the stadium, this is likely the indoor counterpart to the outdoor field.
- Dormitories: Further west are student dormitories such as Phoenix Tree (Wutongshu) and Holly (Dongqingshu).

**• To the North:**

- Famu: Just north of the stadium is the "Famu" building, which serves as both a university building and a restaurant/canteen facility.
- Weiwen Road: This road runs east-west immediately north of the stadium and the Famu building.

**• To the South:**

- Zhichang Gymnasium (C3): Located to the south, this is another major sports center.
- Dormitories: The area further south contains the Hawthorn Tree (Shanzhashu) and Wind Hyacinth (Fengxinzi) dormitories.

**• To the East:**

- Open Space & Library: To the east lies a mix of grassy areas and pathways leading toward the central academic zone, where the Qiming Building (Library) is located.

**3. Nearby Roads and Transport**

- Weiwen Road: Runs along the northern perimeter of this sports block.
- Weicai Road: Located to the west, providing access to the dormitories and gymnasiums.

**24. Please describe in detail the visual environment features near Weixinmen Bus Station. (SZU)**

**Answer:**

Based on the provided spatial data, the visual environment around Weixinmen Bus Station (coordinates: 113.98967, 22.6033) is characterized by a modern academic setting that blends geometric architecture with manicured landscaping. Here is a detailed description of the features in the immediate vicinity:

**1. Dominant Architectural Features**

The bus station is situated right next to several key university buildings, dominated by modern, angular designs:

- Shouzheng Lou: This is the most prominent building immediately near the station (approx. 21

meters away). It features a white facade with dark gray accents and a smooth surface displaying a grid-like pattern of windows. It has a flat roof with visible installations.

- Academic Exchange Center (B3): Located nearby, this building has a light gray facade with a grid-like panel pattern and a flat roof equipped with solar panels. It adds to the sleek, geometric aesthetic of the area.
- Beige/Light Brown Building: To the northeast, there is a rectangular building with a beige and light brown facade featuring a uniform grid of light-framed windows.

## **2. Landscaping and Greenery**

The area surrounding the station is heavily landscaped, functioning as a transitional space between buildings:

- Manicured Lawns: The station is bordered by several lush, rectangular lawns. These grassy areas are described as having a vibrant green color, uniform texture, and are bordered by paved walkways.
- Courtyard Atmosphere: One of the grass patches forms part of a landscaped courtyard, creating a structured urban landscape mixed with pathways.
- Water Features: There are references to a small pond lying near the forest edge and adjacent to the green spaces in this zone, adding a calming natural element to the structured environment.

## **3. Commercial & Social Amenities**

- Cafe: A Luckin Coffee is located in close proximity (near the grass patch at ID 1273961069), suggesting a social hub where students or staff might gather near the station.

## **4. Infrastructure**

- Paved Walkways: The environment is crisscrossed by paved walkways that connect the bus station to the Shouzheng Lou, the lawns, and the Academic Exchange Center.
- Road Network: The station serves Weixin Road, which is classified as an unclassified road likely serving internal campus traffic.

**Summary:** Standing at Weixinmen Bus Station, you would see a clean, modern campus environment anchored by the white and gray Shouzheng Lou, surrounded by vibrant green lawns and paved paths, with the Academic Exchange Center visible in the background.

## **25. Please describe the environment of the Spanish-style street in detail. (Optics Valley)**

**Answer:**

Based on the provided geographic structured data, here is the detailed environmental description of the Spanish-style Street (located within the World City - Optics Valley Walking Street area):

### **1. Core Location & Layout**

- Location: The street is part of the World City - Optics Valley Walking Street.
- Structure: It is designed as a pedestrian-friendly zone featuring footbridges and steps/elevators, connecting various levels of the commercial area.
- Road Network: It runs along or near Optics Valley Street, classified as a tertiary road.

### **2. Commercial & Entertainment Atmosphere**

The environment is a bustling mix of retail, dining, and entertainment, characterized by:

- Entertainment Anchors: A major landmark is the Jumu Cinema, making it a key destination for

leisure.

- Dining Scene: The area is populated with diverse food options, including popular chains like Haidilao Hot Pot, Old Country Chicken, and specialty restaurants like Sanji Kitchen.
- Cafe Culture: There is a strong presence of coffee shops, such as Cenci Coffee, contributing to a relaxed social atmosphere.
- Financial Services: Several banks are integrated into the streetscape, including China Merchants Bank and Bank of East Asia.

### **3. Surrounding Landmarks & Spatial Relations**

The Spanish-style street is situated in a dense urban environment surrounded by significant structures:

- To the West: The 46-meter tall Optics Valley Capital Building, which houses the Optics Valley Bookshop.
- Transportation Hub: It is in close proximity to the Optics Valley Square Subway Station and the Optics Valley Roundabout, ensuring high foot traffic and accessibility.
- Nearby Residential: To the east/northeast, there are residential communities such as Changqingting Hanjingyuan, providing a local resident base.

### **4. Infrastructure Data**

- Building Type: Categorized as building retail.
- Area: The specific "World City" retail polygon covers approximately 42,881 square meters.

In summary, the environment is a high-density, mixed-use commercial district that blends walking street elements with major entertainment facilities, dining, and convenient transport links to the wider Optics Valley area.