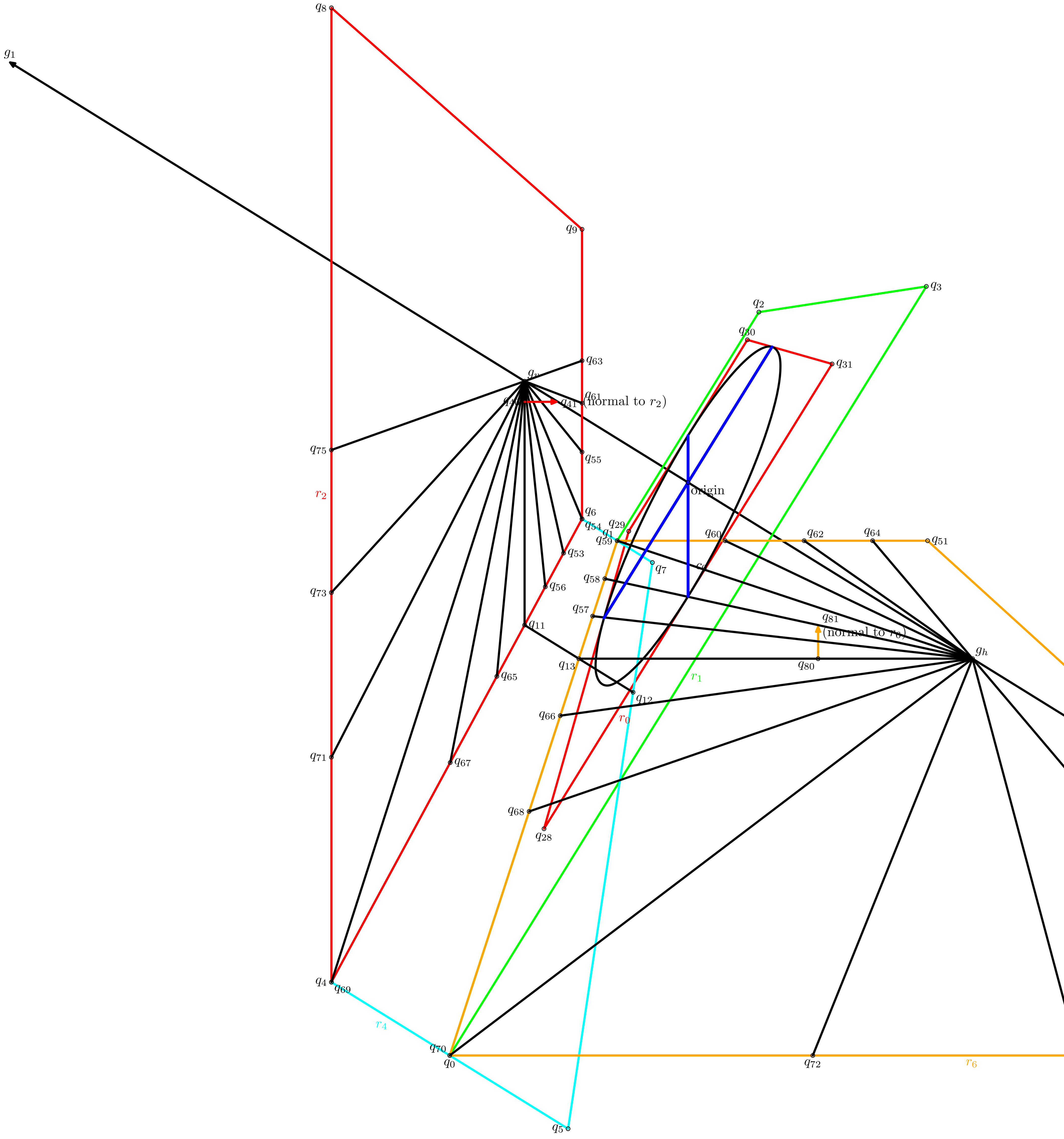
Sundials 3

Laurence D. Finston

Last updated: October 11, 2007

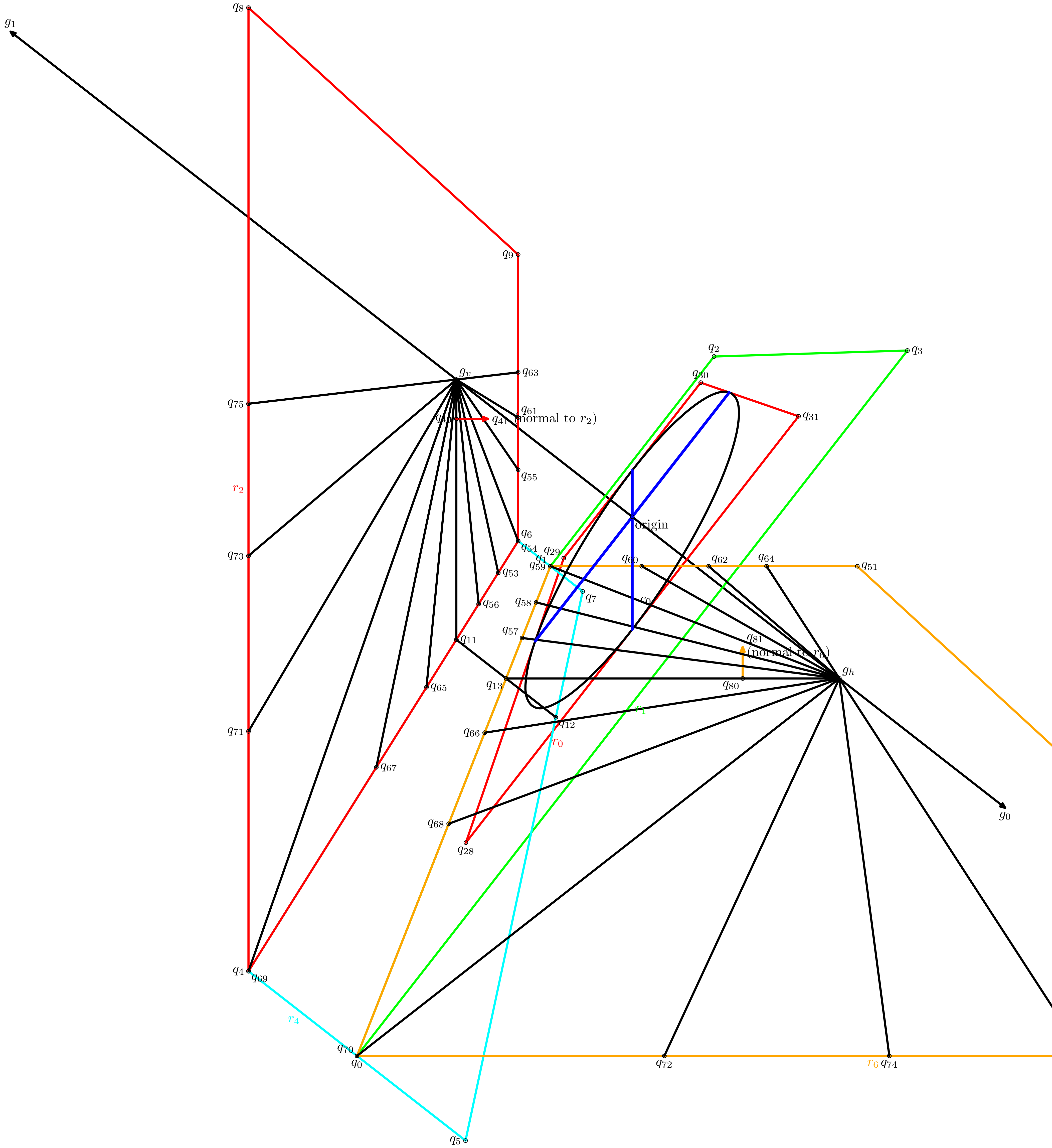
Contents

Jerusalem, Israel 31° 47′ N, 35° 13′ E



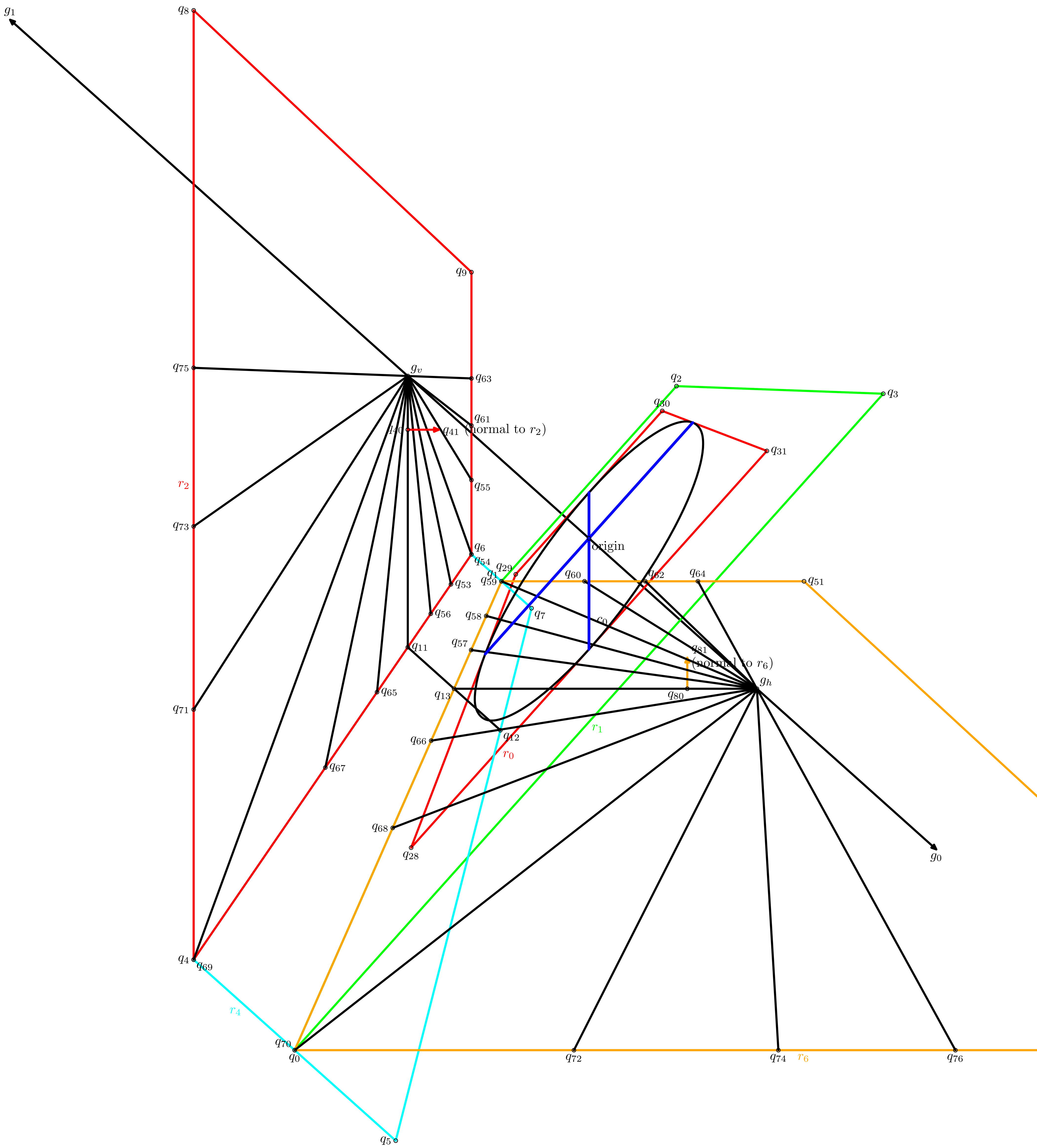
Perspective projection
Jerusalem, Israel 31° 47′ N, 35° 13′ E
Focus: position $= (0, 5, -12)$, direction $= (0, 5, 10)$, distance $= 10$
(dimensions in centimeters)

Athens, Greece 37° 58′ N 23° 43′ E



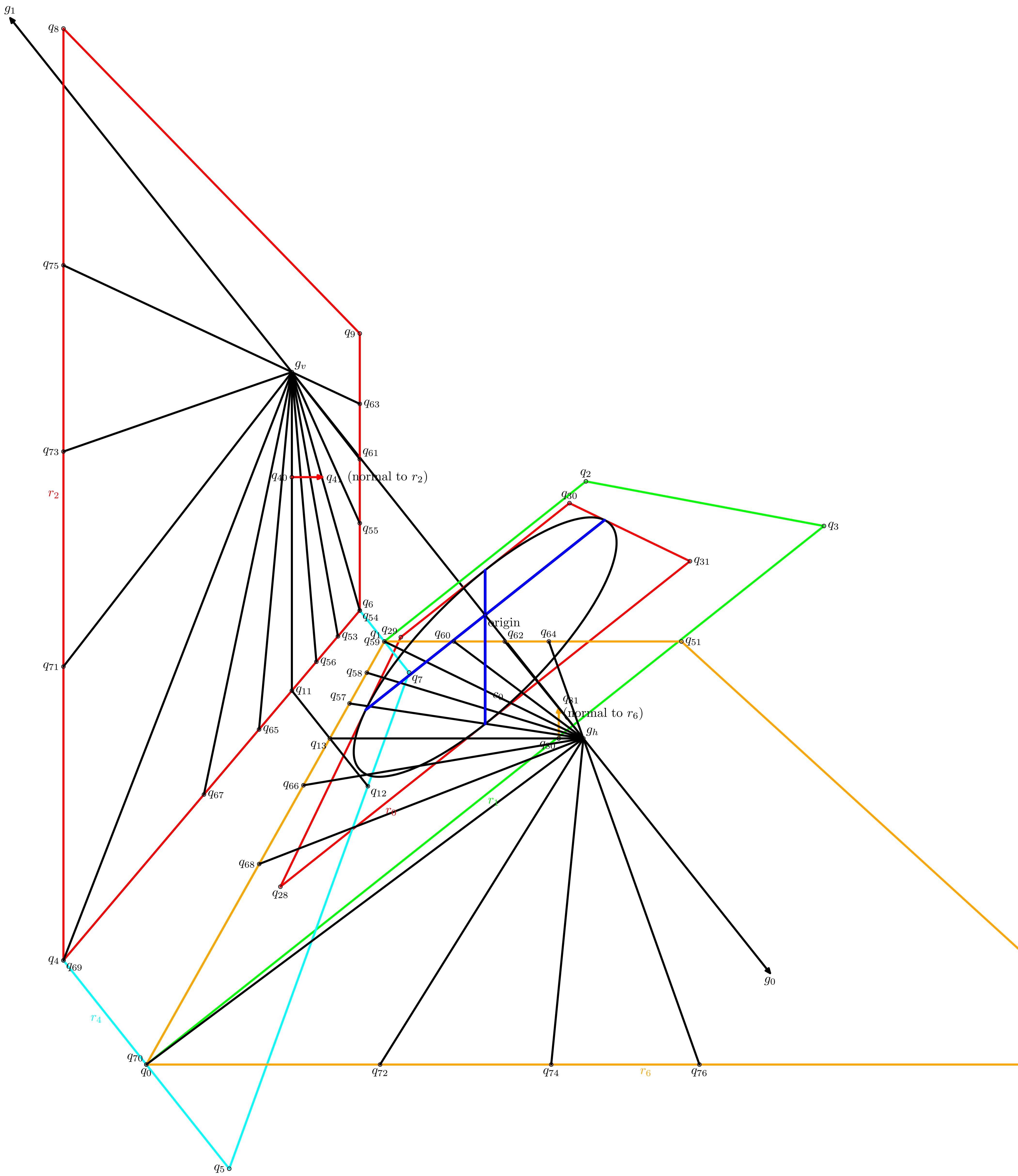
Perspective projection
Latitude 41° 54′ N (Athens, Greece)
Focus: position $= (0, 5, -12)$, direction $= (0, 5, 10)$, distance $= 10$
(dimensions in centimeters)

Chicago, Illinois, USA 41° 52′ 55″ N 87° 37′ 40″ W



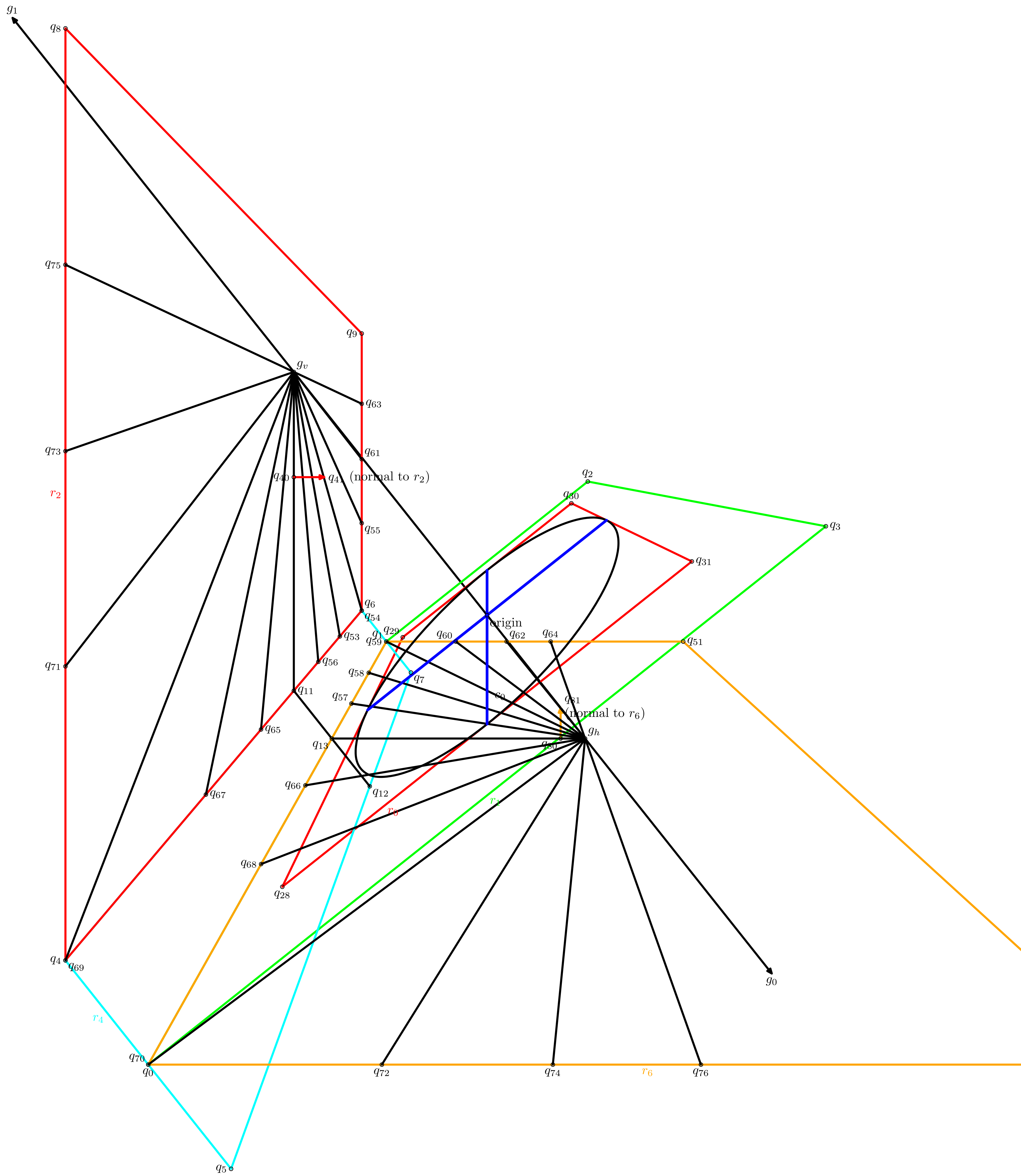
Perspective projection
Chicago, Illinois, USA 41° 52′ 55″ N 87° 37′ 40″ W
Focus: position $= (0, 5, -12)$, direction $= (0, 5, 10)$, distance $= 10$
(dimensions in centimeters)

London, UK 51° 30′ 28″ N, 0° 7′ 41″ W



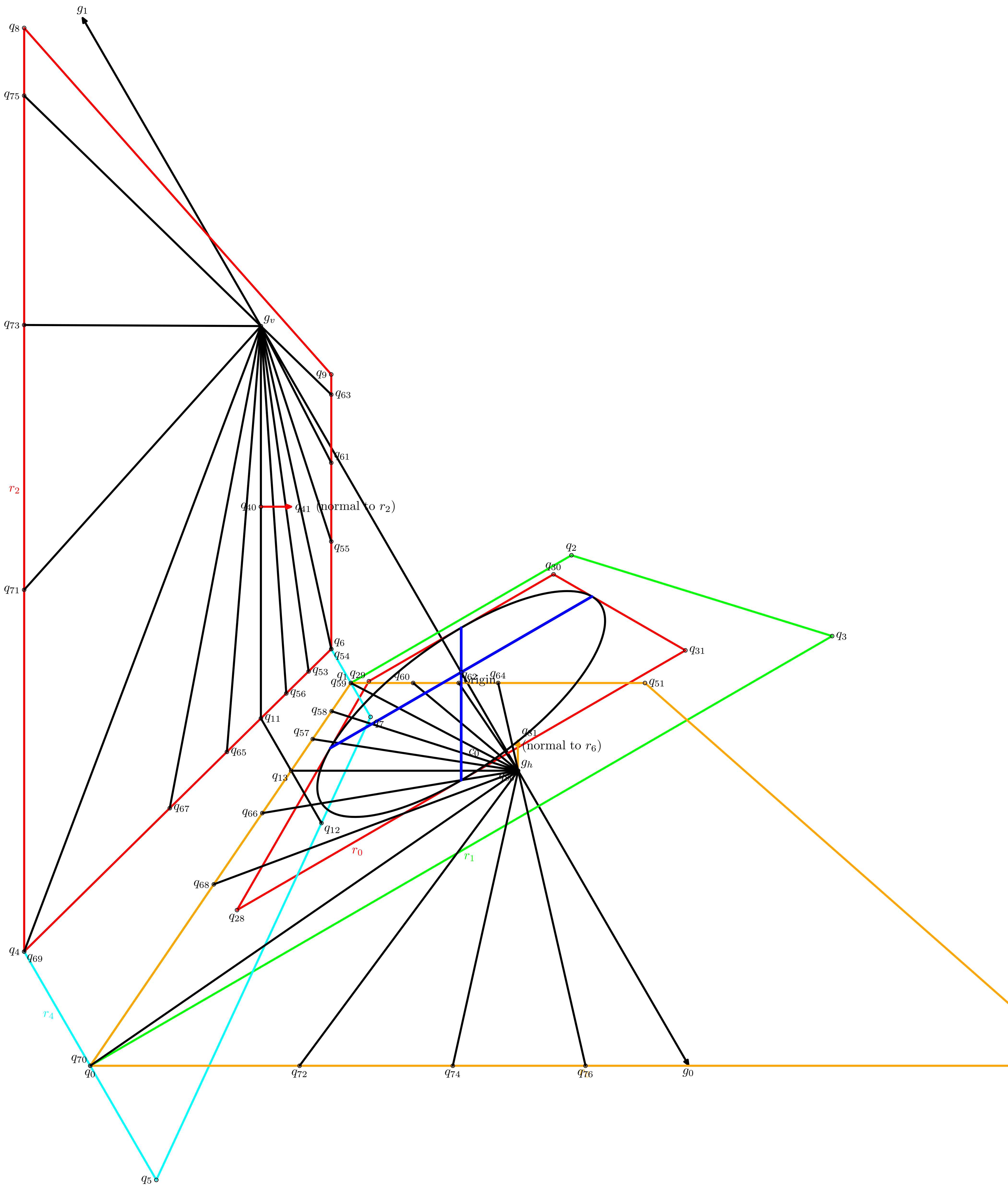
Perspective projection
Latitude 51° 30′ 28″ N (London, UK)
Focus: position $= (0, 5, -12)$, direction $= (0, 5, 10)$, distance $= 10$
(dimensions in centimeters)

Göttingen, Germany 51° 32′ N, 9° 56′ E



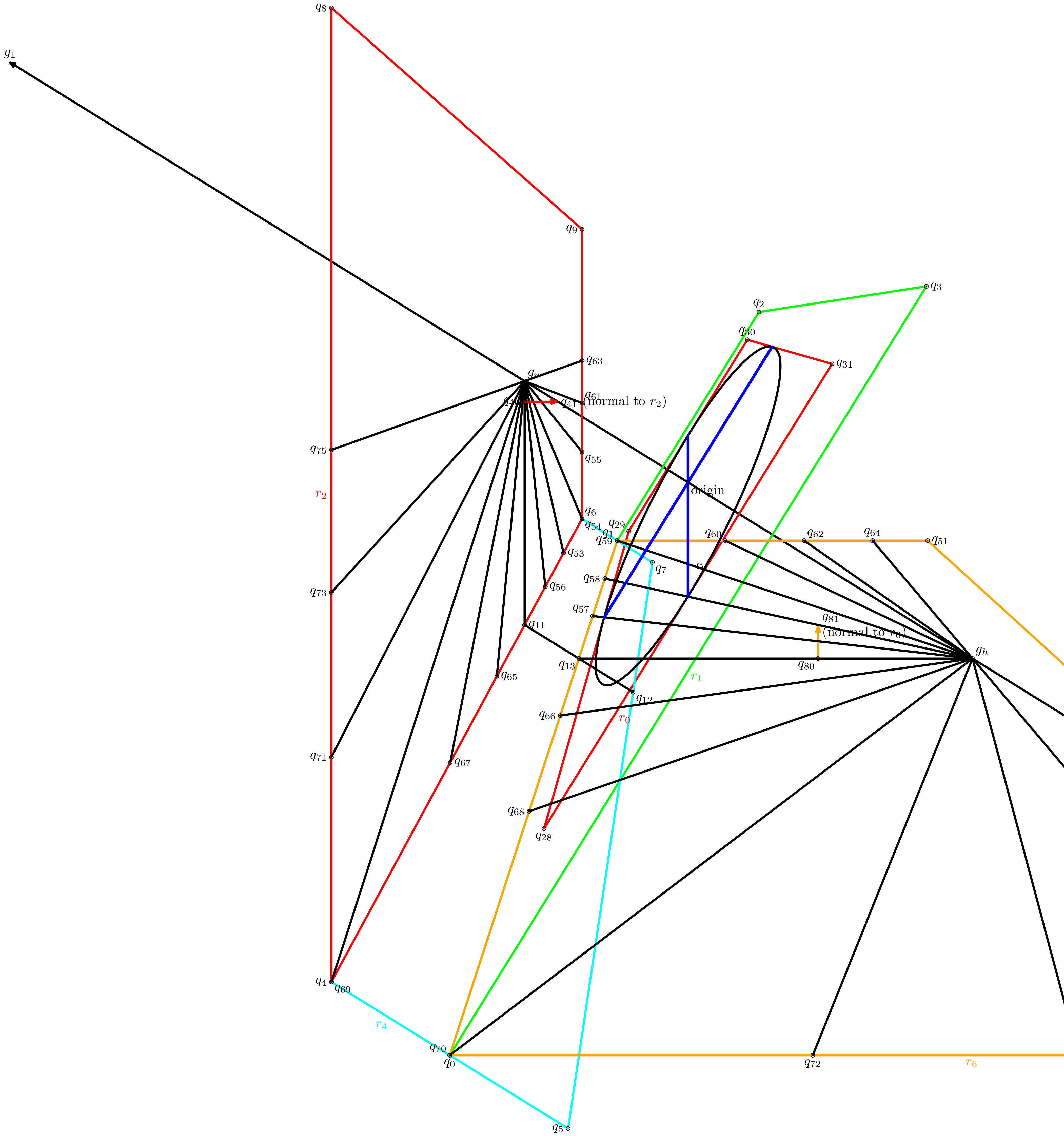
Perspective projection
Latitude 51° 32′ N (Göttingen, Germany)
Focus: position $= (0, 5, -12)$, direction $= (0, 5, 10)$, distance $= 10$
(dimensions in centimeters)

St. Petersburg, Russia 59° 56′ N, 30° 20′ E



Perspective projection
Latitude 51° 32′ N (Göttingen, Germany)
Focus: position = $(0, 5, -12)$, direction = $(0, 5, 10)$, distance = 10
(dimensions in centimeters)

Jerusalem, Israel 31° 47′ N, 35° 13′ E



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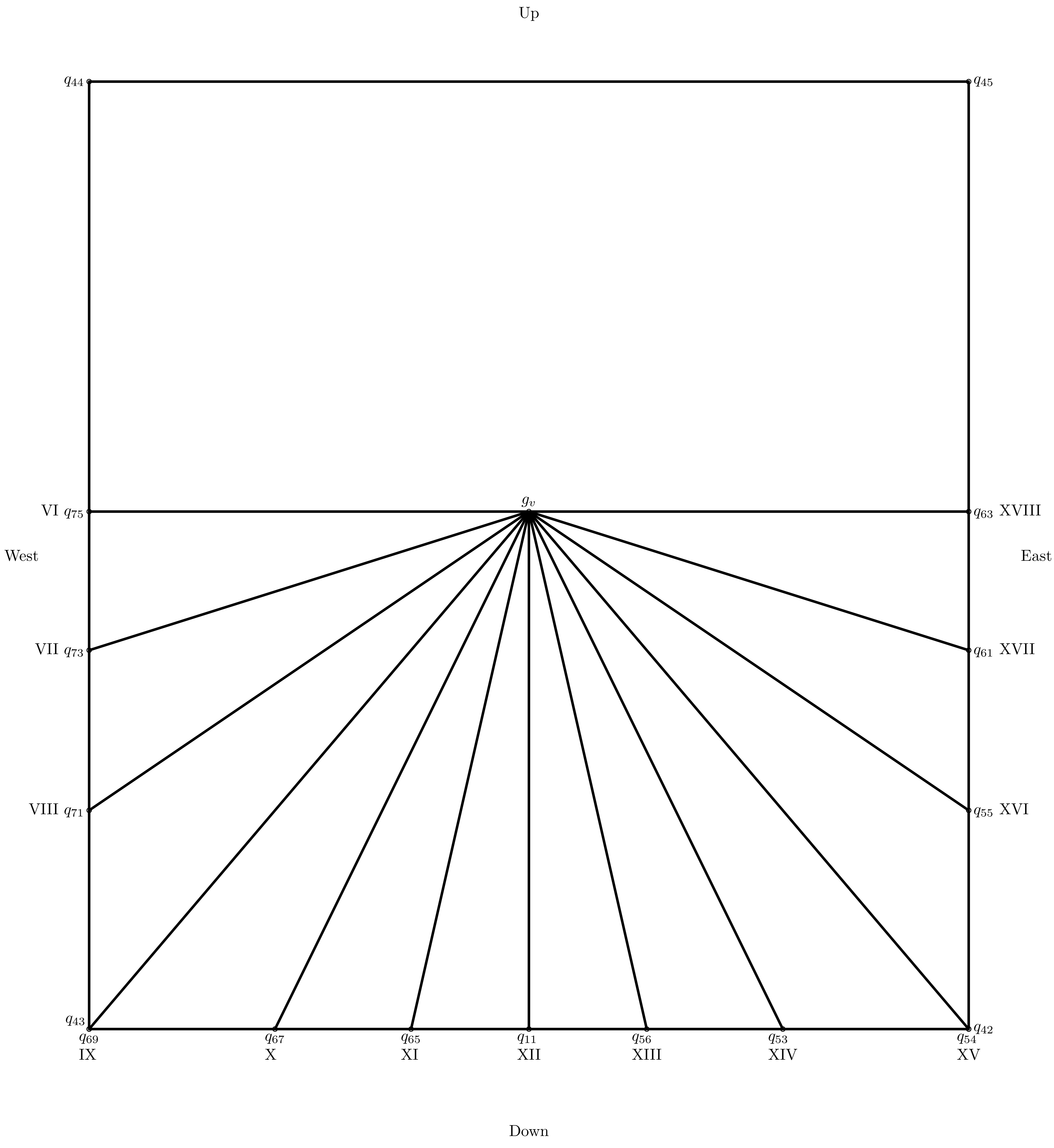
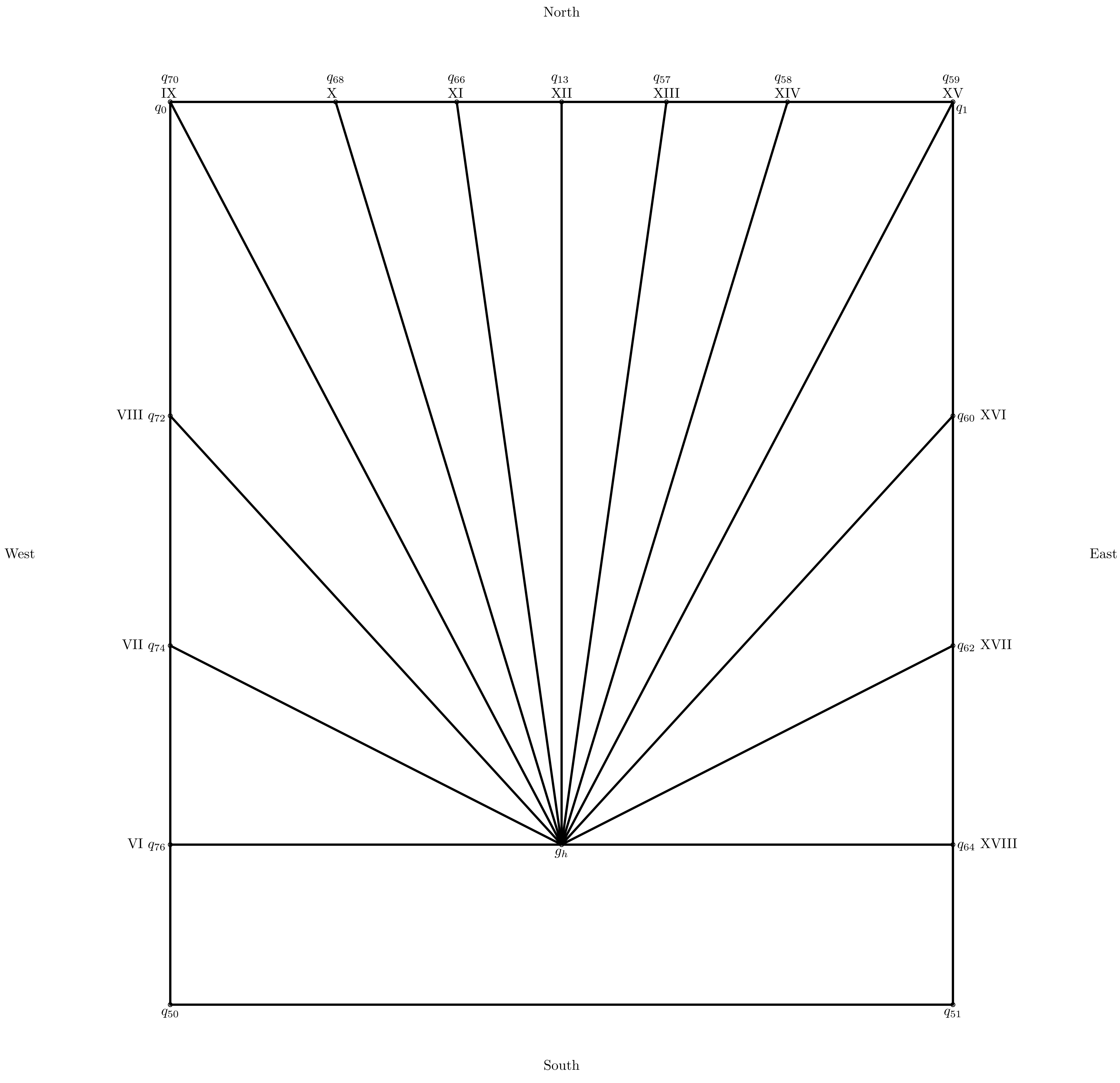


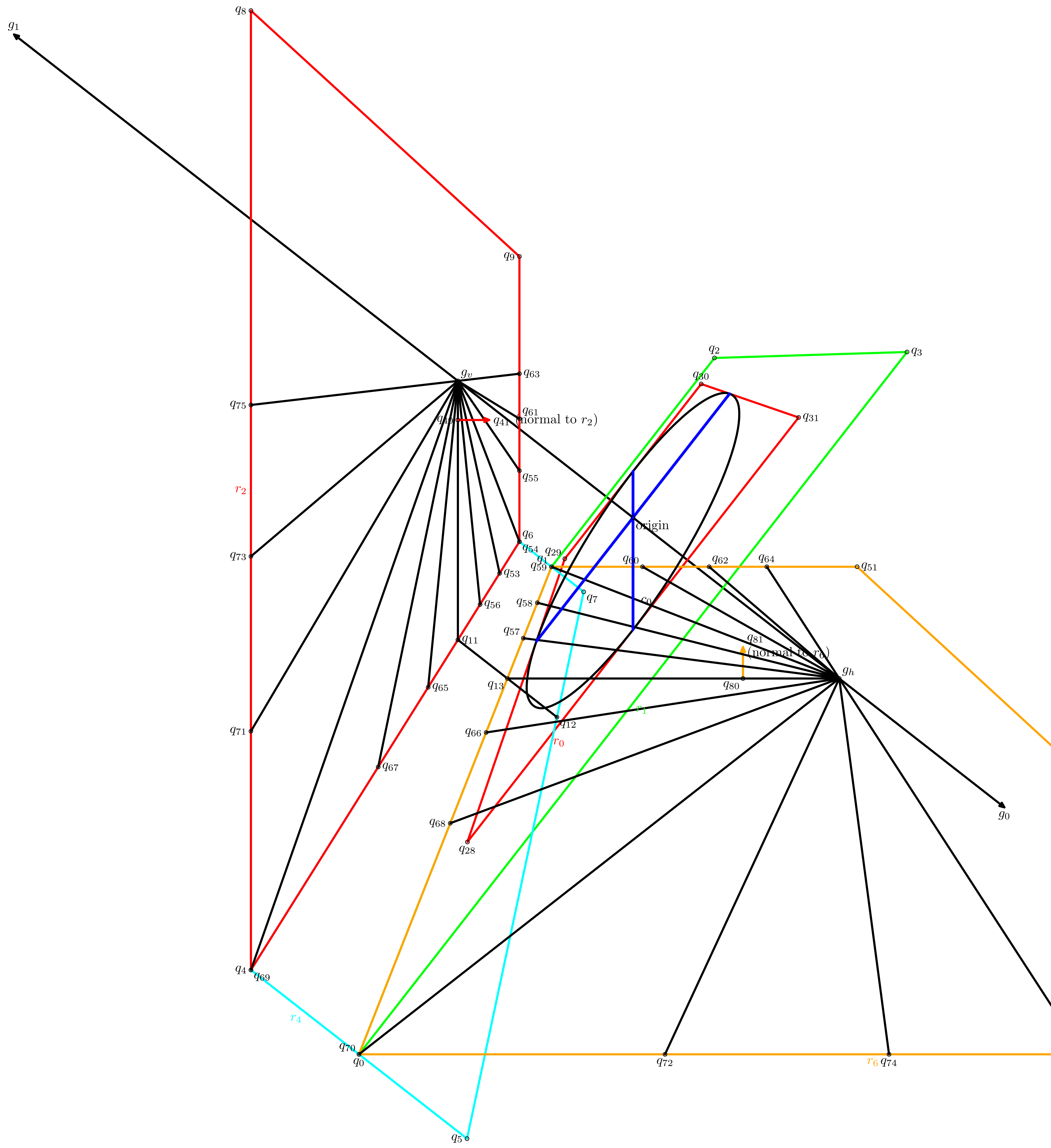
Parallel projection onto the vertical plane (plane of r_1)
Vertical dial facing due south
Jerusalem, Israel 31° 47′ N, 35° 13′ E

Jerusalem, Israel 31° 47′ N, 35° 13′ E



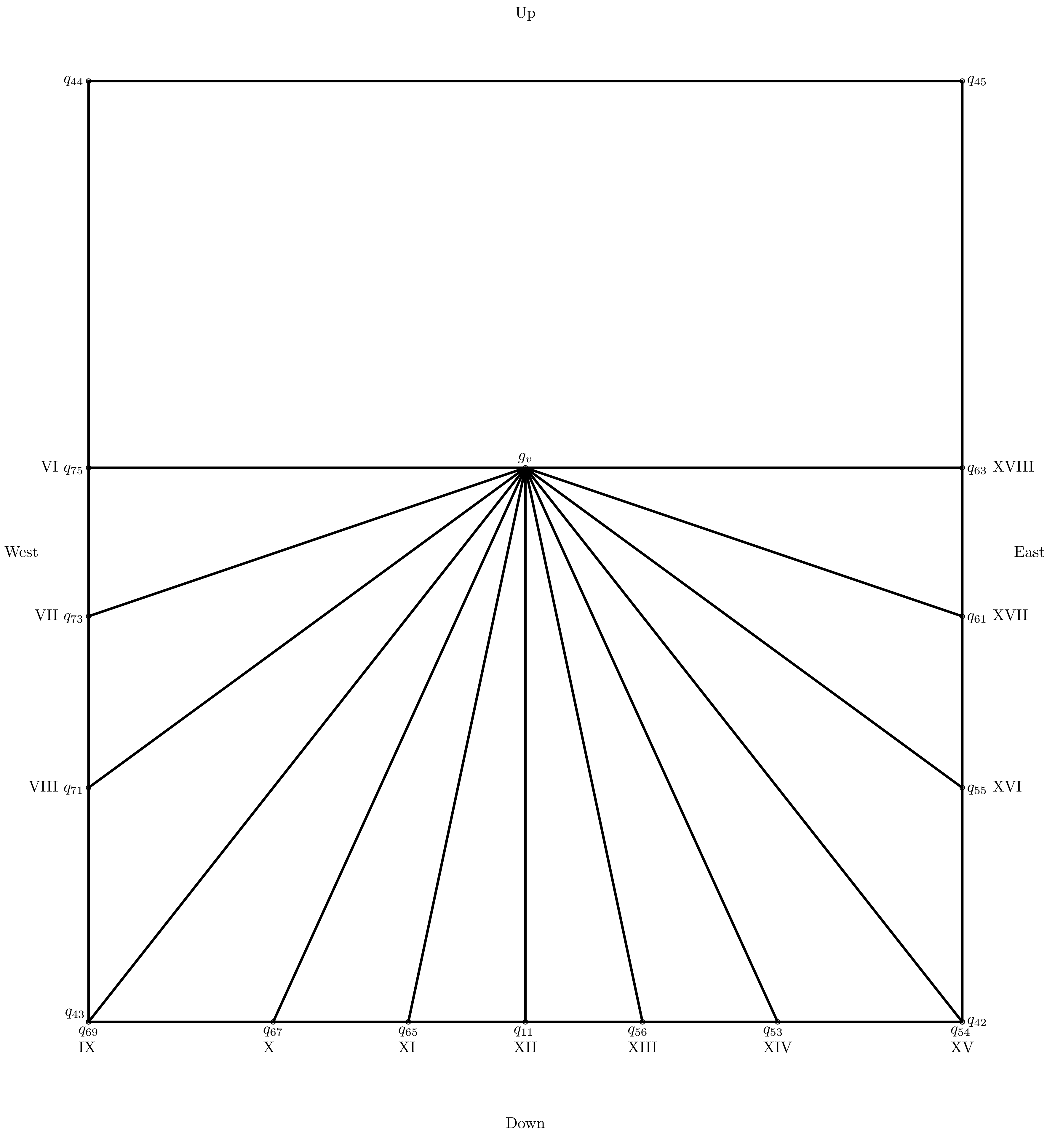
Parallel projection onto the horizontal plane (plane of r_6)
Horizontal dial
Jerusalem, Israel 31° 47′ N, 35° 13′ E

Athens, Greece 37° 58′ N 23° 43′ E



Perspective projection
Latitude 41° 54′ N (Athens, Greece)
Focus: position $= (0, 5, -12)$, direction $= (0, 5, 10)$, distance $= 10$
(dimensions in centimeters)

Athens, Greece 37° 58′ N 23° 43′ E

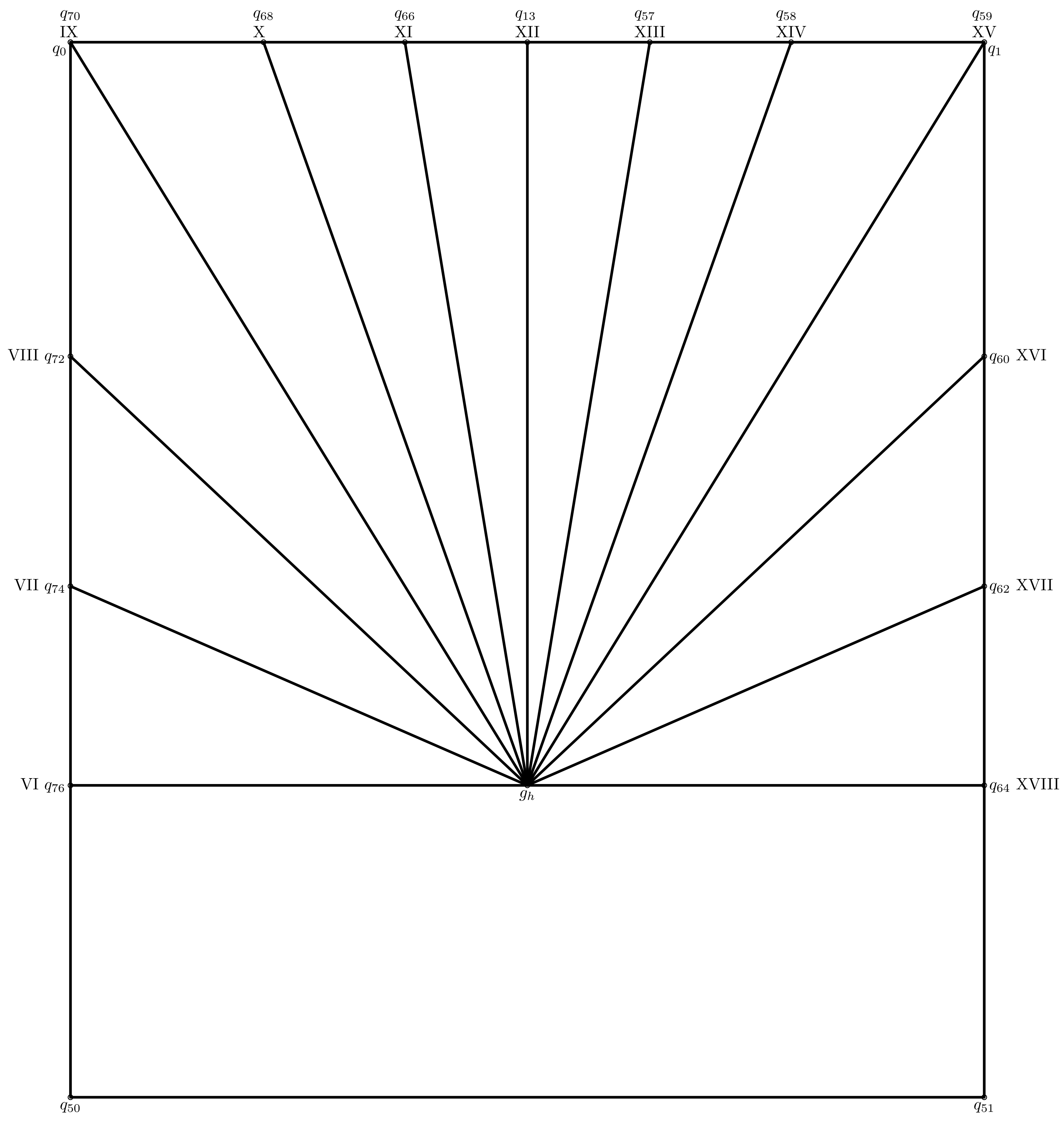


Parallel projection onto the vertical plane (plane of r_1)
Vertical dial facing due south
Latitude 41° 54′ N (Athens, Greece)

Athens, Greece 37° 58′ N 23° 43′ E

North

West

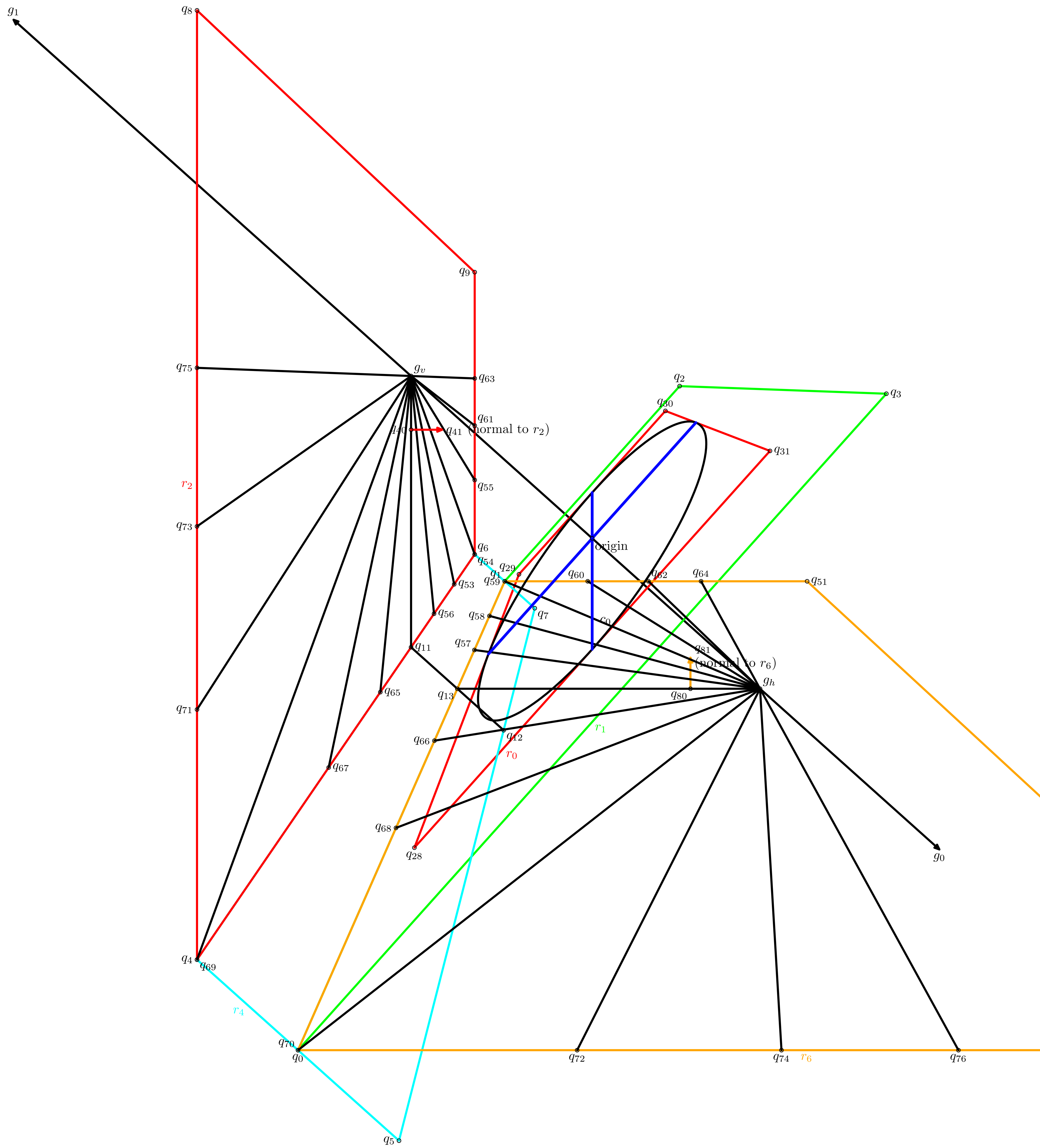


East

South

Parallel projection onto the horizontal plane (plane of r_6)
Horizontal dial
Latitude 41° 54′ N (Athens, Greece)

Chicago, Illinois, USA 41° 52′ 55″ N 87° 37′ 40″ W



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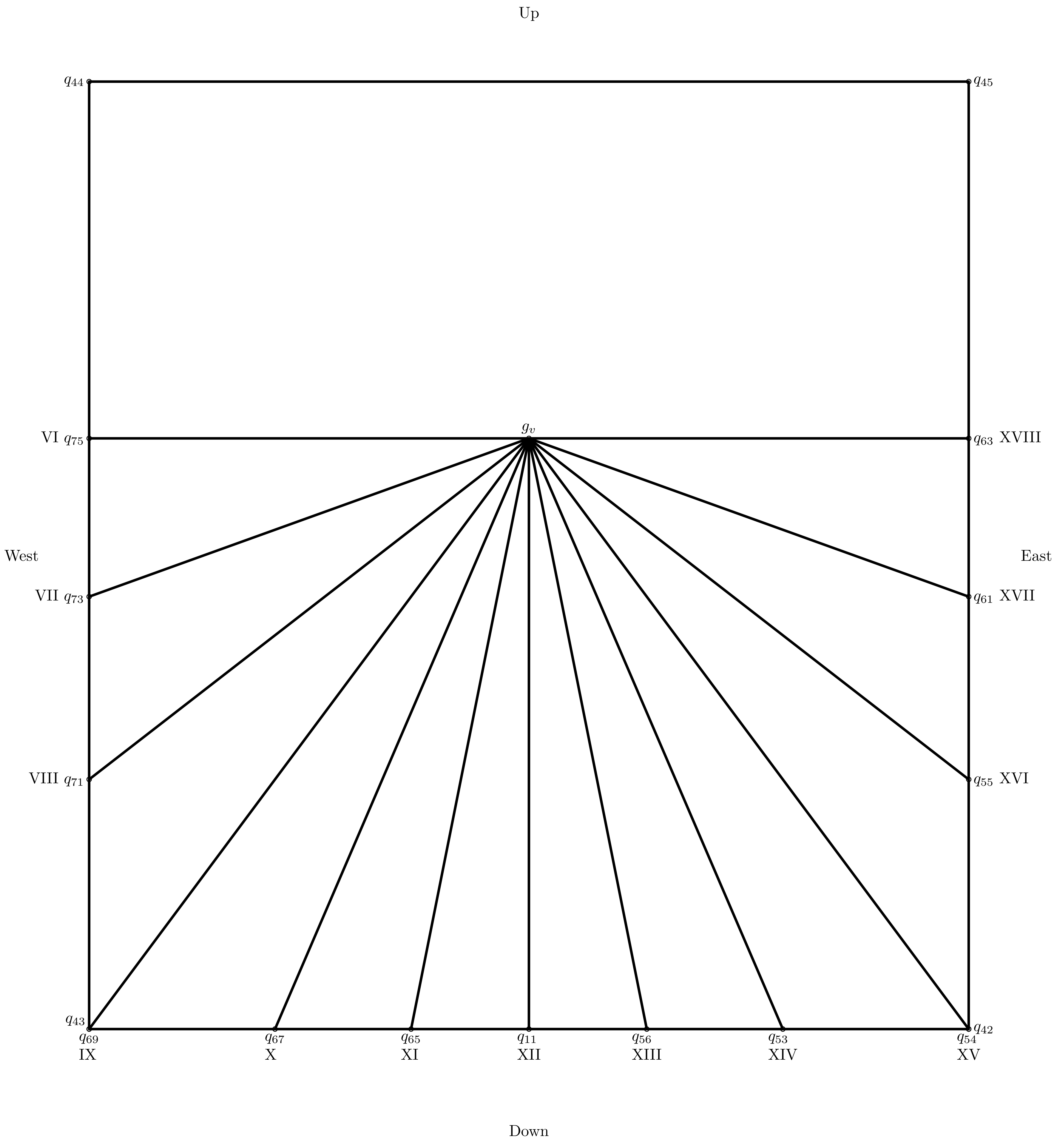

Parallel projection onto the vertical plane (plane of r_1)
Vertical dial facing due south
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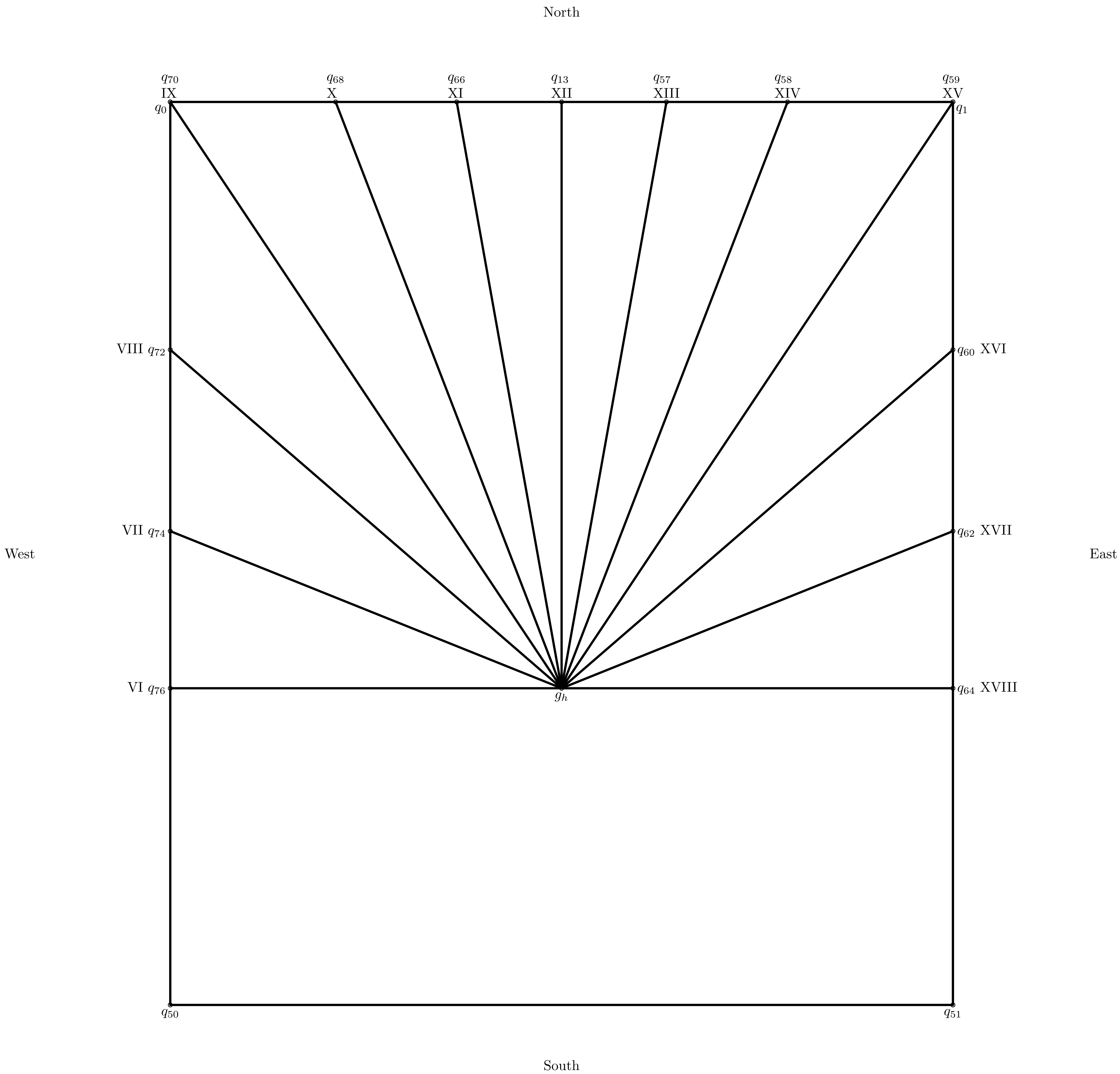
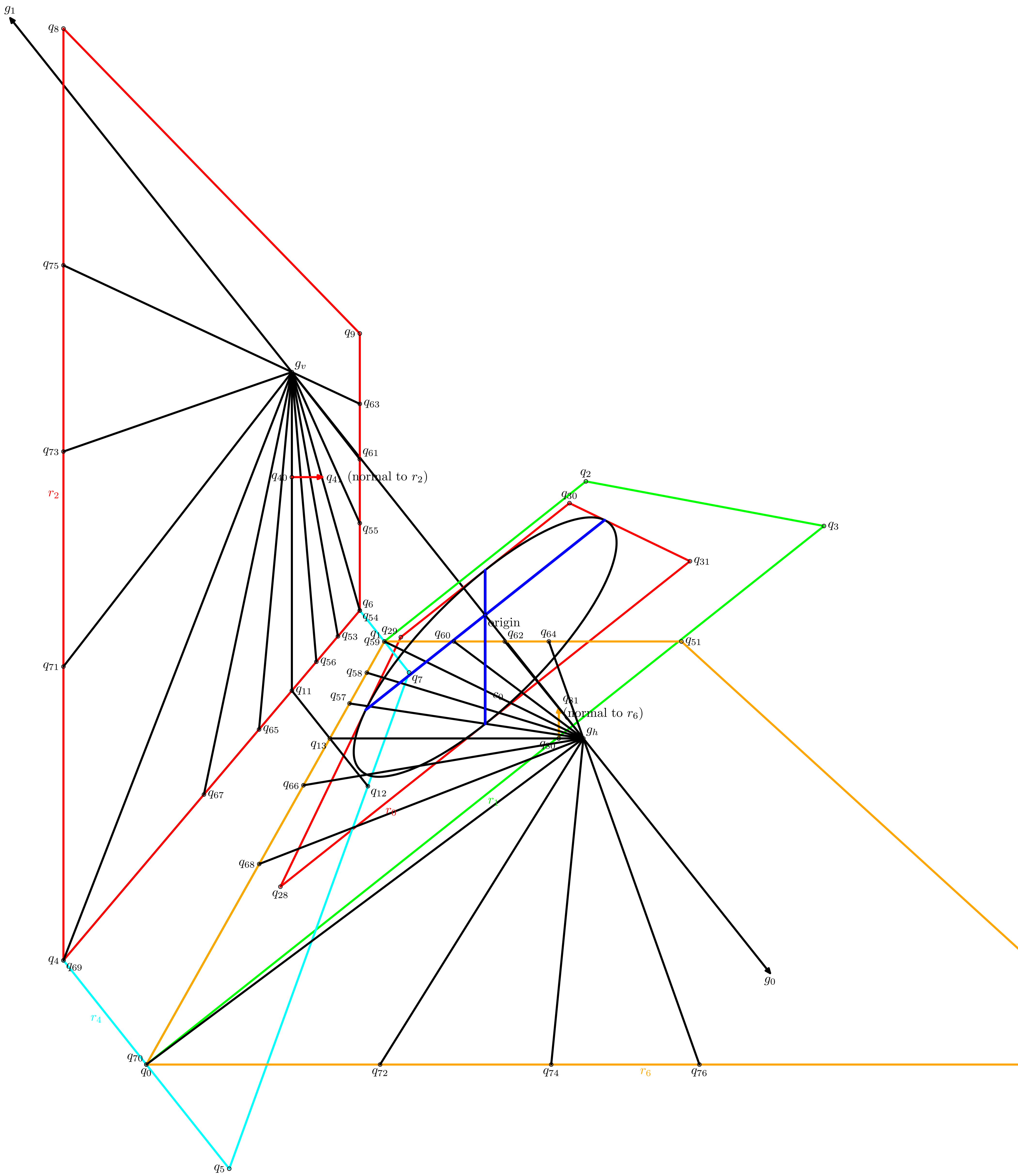


Parallel projection onto the horizontal plane (plane of r_6)
Horizontal dial
Chicago, Illinois, USA 41° 52′ 55″ N 87° 37′ 40″ W

London, UK 51° 30′ 28″ N, 0° 7′ 41″ W



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Latitude 51° 30′ 28″ N (London, UK)
Focus: position = $(0, 5, -12)$, direction = $(0, 5, 10)$, distance = 10
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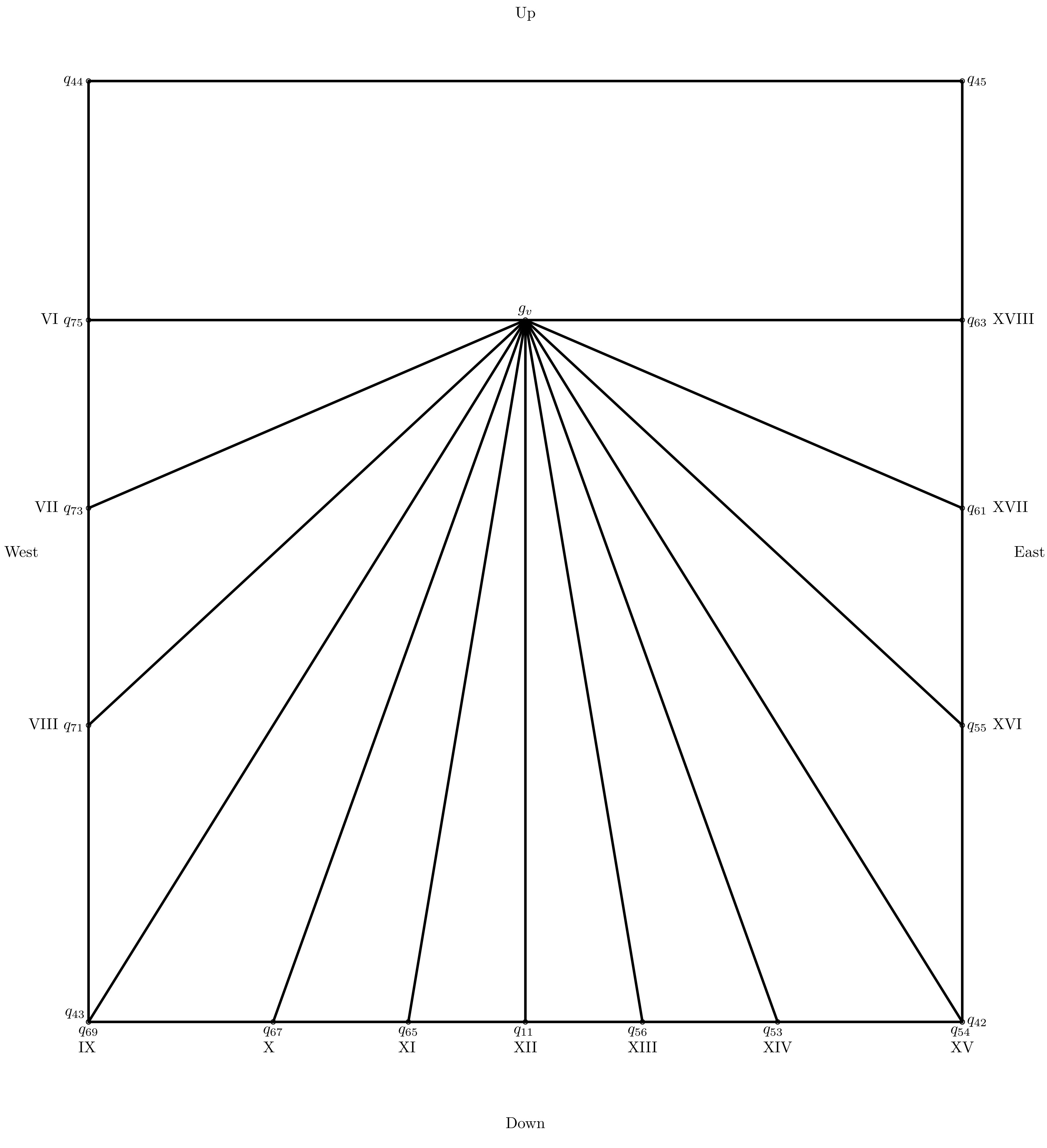
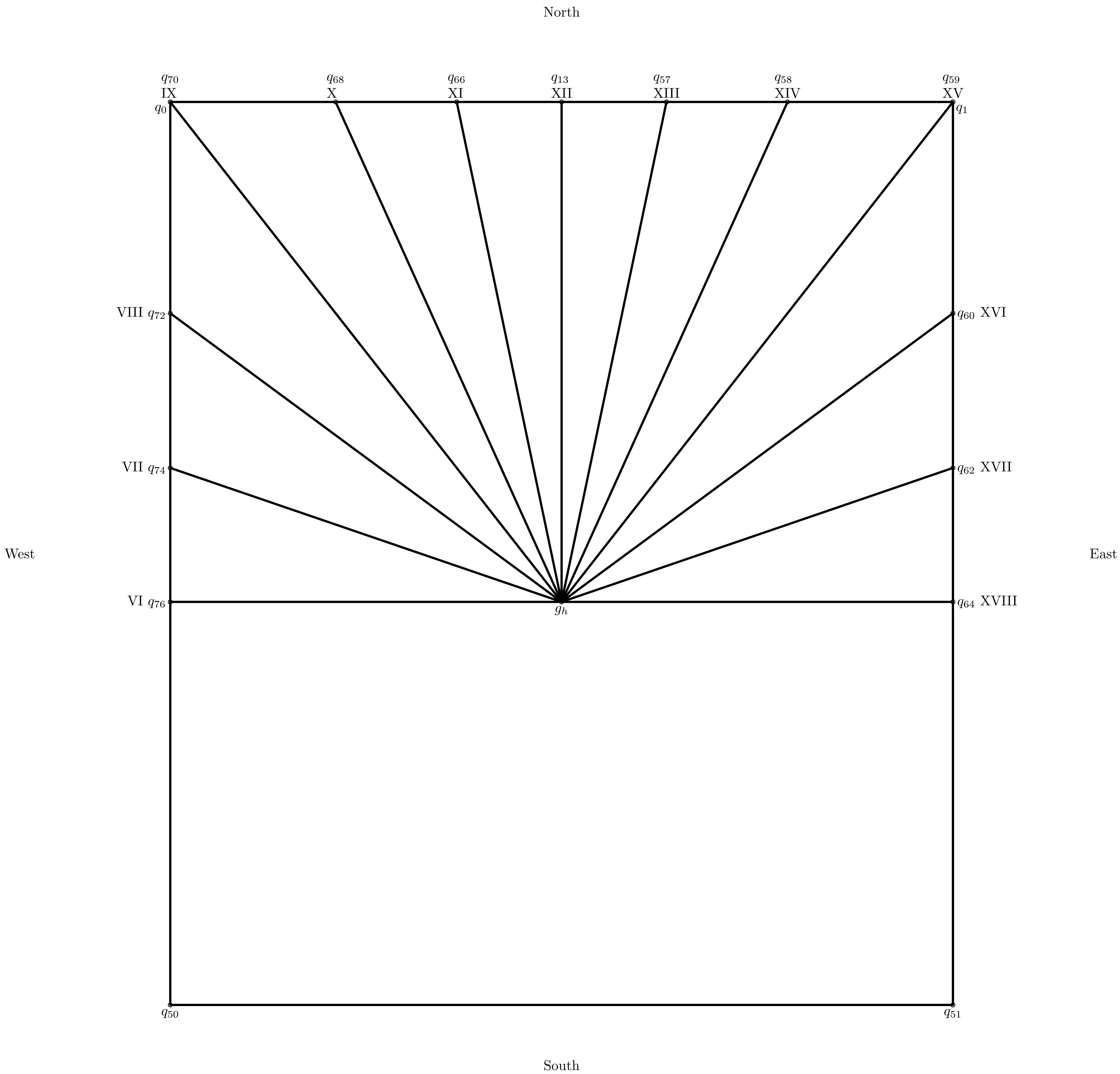
London, UK 51° 30′ 28″ N, 0° 7′ 41″ W



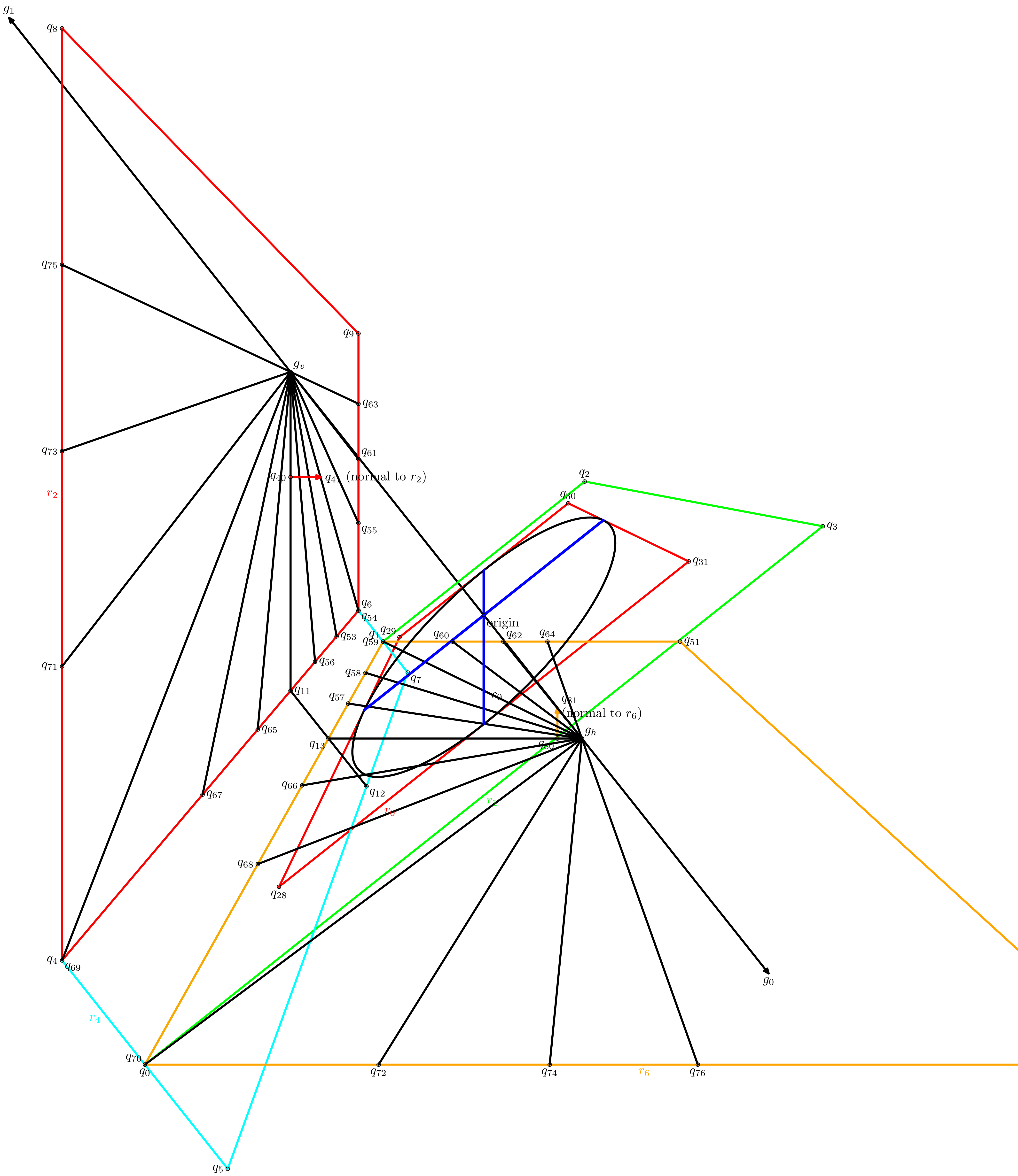
Parallel projection onto the vertical plane (plane of r_1)
Vertical dial facing due south
Latitude 51° 30′ 28″ N (London, UK)

London, UK 51° 30′ 28″ N, 0° 7′ 41″ W



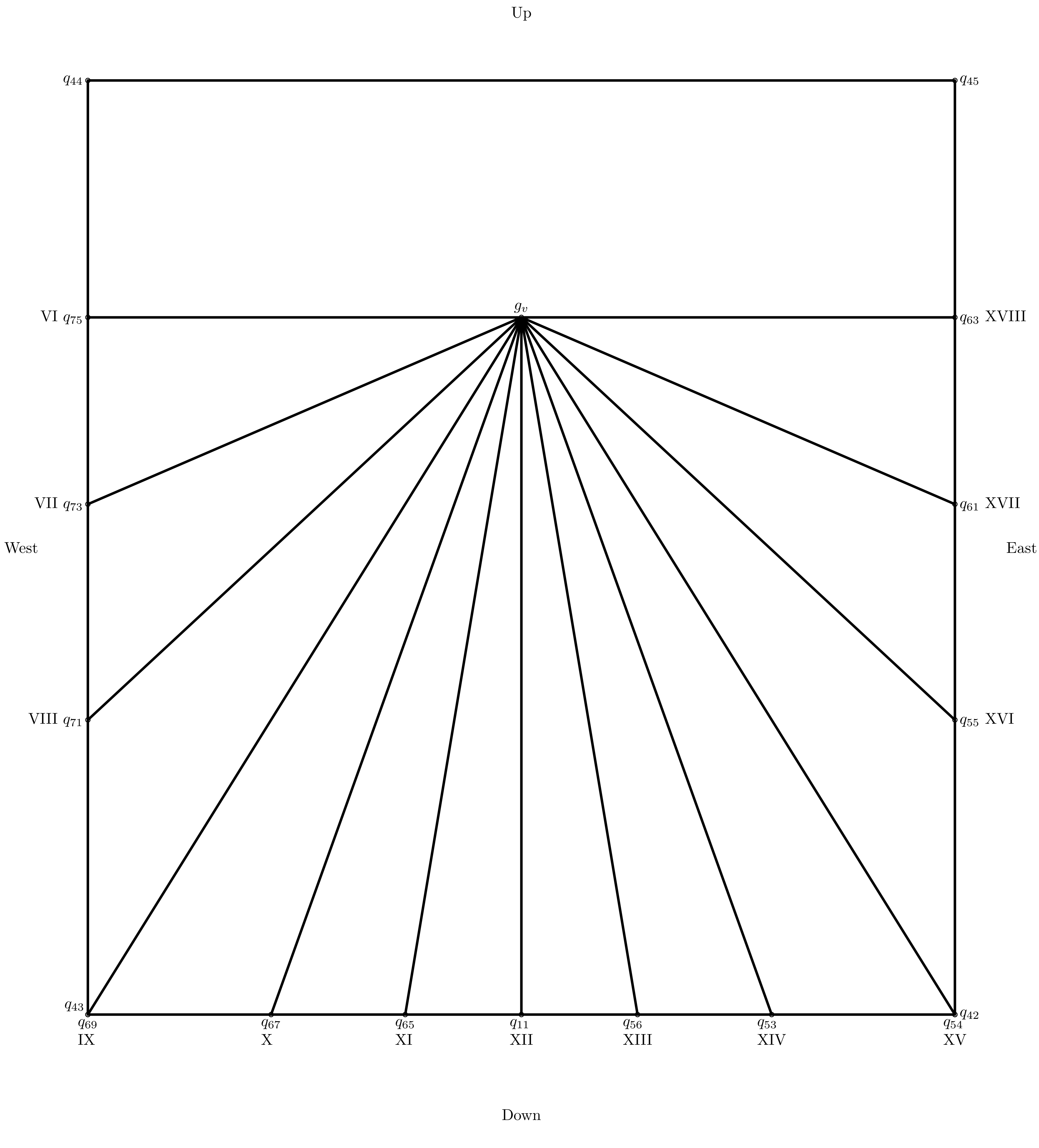
Parallel projection onto the horizontal plane (plane of r_6)
Horizontal dial
Latitude 51° 30′ 28″ N (London, UK)

Göttingen, Germany 51° 32′ N, 9° 56′ E



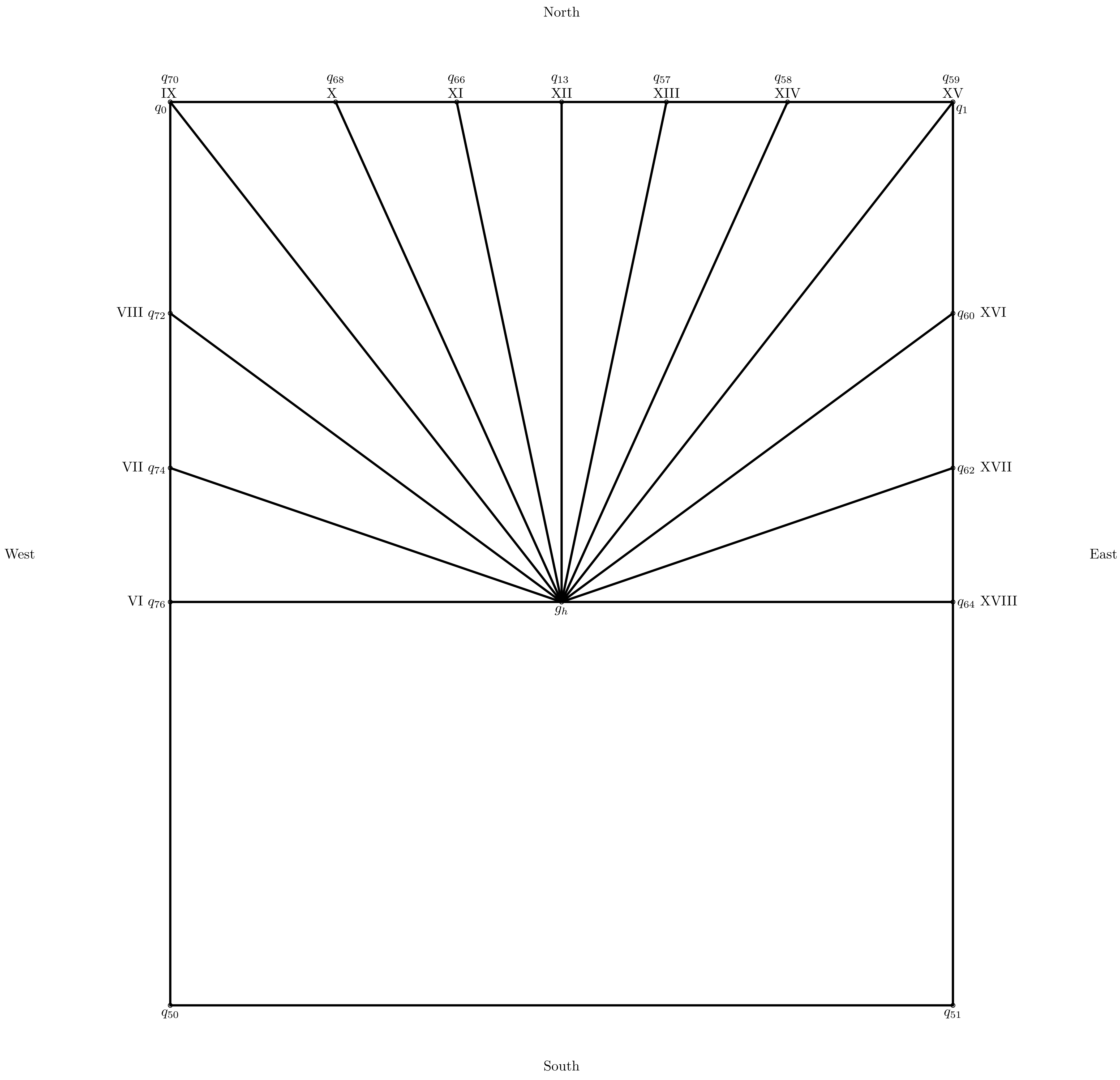
Perspective projection
Latitude 51° 32′ N (Göttingen, Germany)
Focus: position $= (0, 5, -12)$, direction $= (0, 5, 10)$, distance $= 10$
(dimensions in centimeters)

Göttingen, Germany 51° 32′ N, 9° 56′ E



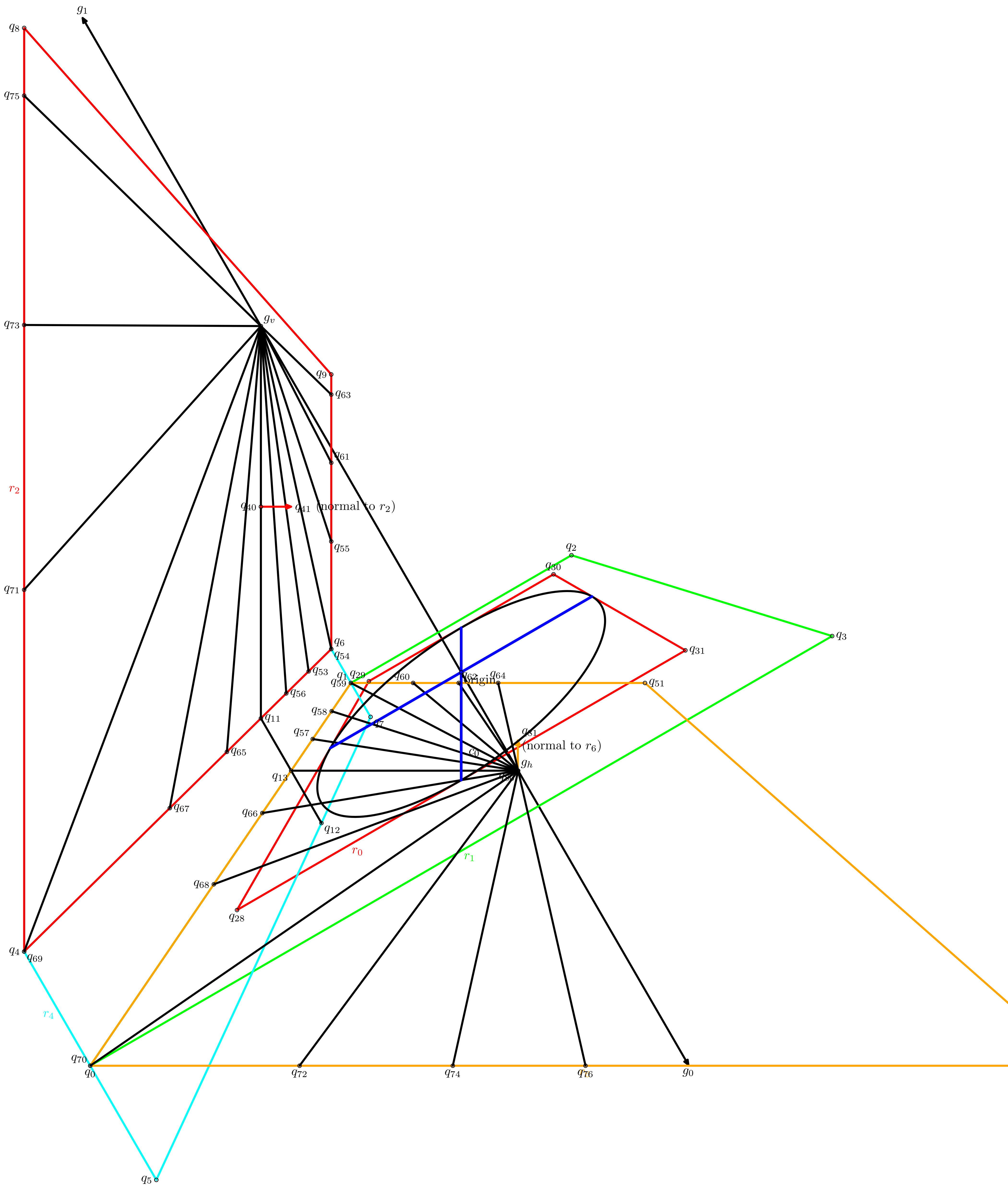
Parallel projection onto the vertical plane (plane of r_1)
Vertical dial facing due south
Latitude 51° 32′ N (Göttingen, Germany)

Göttingen, Germany 51° 32′ N, 9° 56′ E



Parallel projection onto the horizontal plane (plane of r_6).
Horizontal dial
Latitude 51° 32′ N (Göttingen, Germany)

St. Petersburg, Russia 59° 56′ N, 30° 20′ E



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(dimensions in centimeters)

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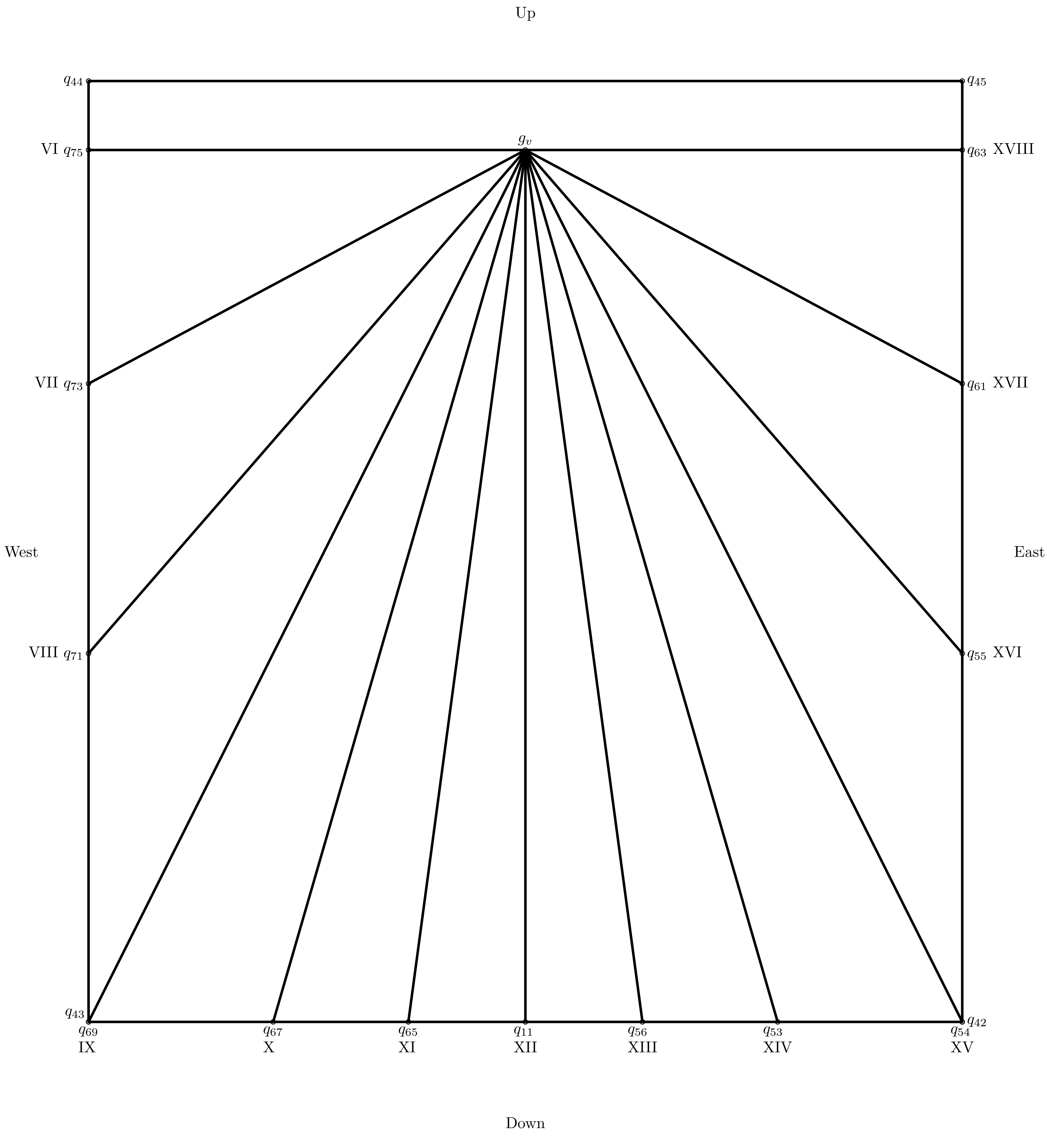

Parallel projection onto the vertical plane (plane of r_1)
Vertical dial facing due south
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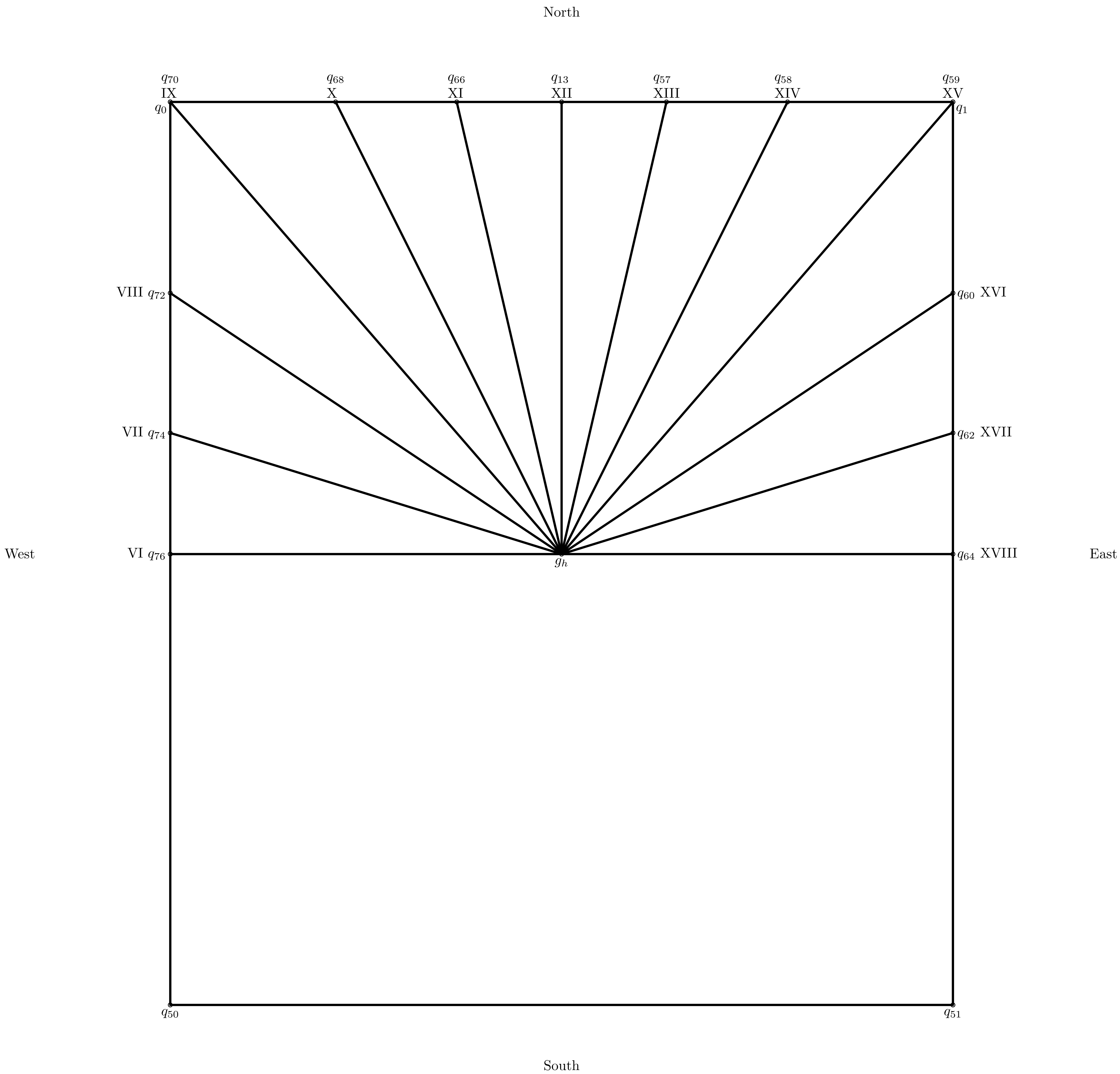

Parallel projection onto the horizontal plane (plane of r_6).
Horizontal dial
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