

When P is a point outside the plane α and the straight line a is on the plane α , the foot of the perpendicular drawn from P to the plane α is M . Suppose that M is N and that the foot of the perpendicular drawn from M to straight line a is N , then the line segments PN and a are perpendicular.

P 가 평면 α 밖의 점이고 직선 a 가 평면 α 위에 있을 때 P 에서 평면 α 에 내린 수선의 발을 M 이라 하고 M 에서 직선 a 에 내린 수선의 발을 N 이라고 하면 선분 PN 과 a 는 수직이다.

(When P is a point outside the plane α and the straight line a is on the plane α , the foot of the perpendicular drawn from P to the plane α is M . Suppose that M is N and that the foot of the perpendicular drawn from M to straight line a is N , then the line segments PN and a are perpendicular.)

When P is a point outside the plane α and the straight line a is on the plane α , the foot of the perpendicular drawn from P to the plane α is M . Suppose that M is N and that the foot of the perpendicular drawn from M to straight line a is N , then the line segments PN and a are perpendicular.

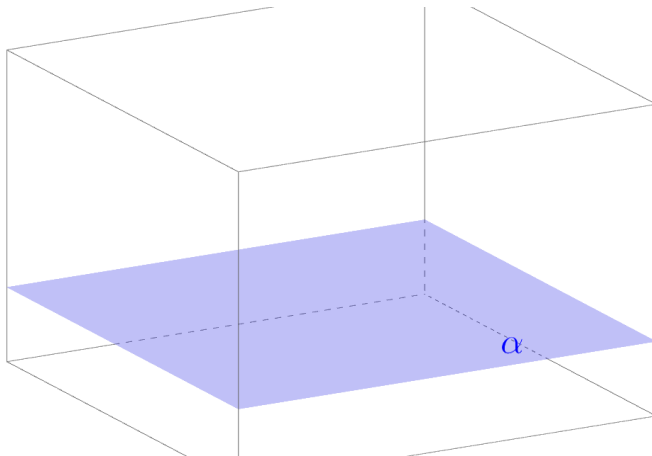
▶ Start

▶ End

When P is a point outside the plane α and the straight line a is on the plane α , the foot of the perpendicular drawn from P to the plane α is M . Suppose that M is on a and that the foot of the perpendicular drawn from M to straight line a is N , then the line segments PN and a are perpendicular.

▶ Start

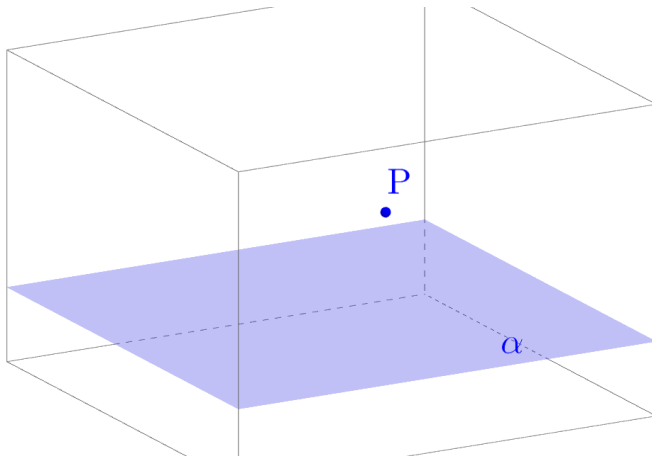
▶ End



When P is a point outside the plane α and the straight line a is on the plane α , the foot of the perpendicular drawn from P to the plane α is M . Suppose that M is N and that the foot of the perpendicular drawn from M to straight line a is N , then the line segments PN and a are perpendicular.

▶ Start

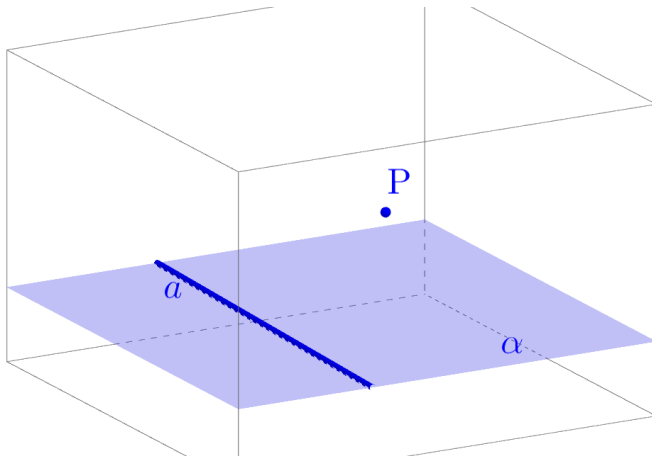
▶ End



When P is a point outside the plane α and the straight line a is on the plane α , the foot of the perpendicular drawn from P to the plane α is N . Suppose that M is on the line a and that the foot of the perpendicular drawn from M to straight line a is N , then the line segments PN and a are perpendicular.

▶ Start

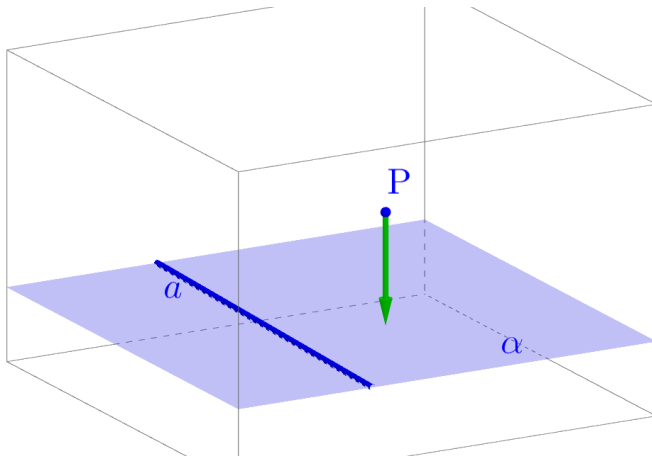
▶ End



When P is a point outside the plane α and the straight line a is on the plane α , the foot of the perpendicular drawn from P to the plane α is M . Suppose that M is N and that the foot of the perpendicular drawn from M to straight line a is N , then the line segments PN and a are perpendicular.

▶ Start

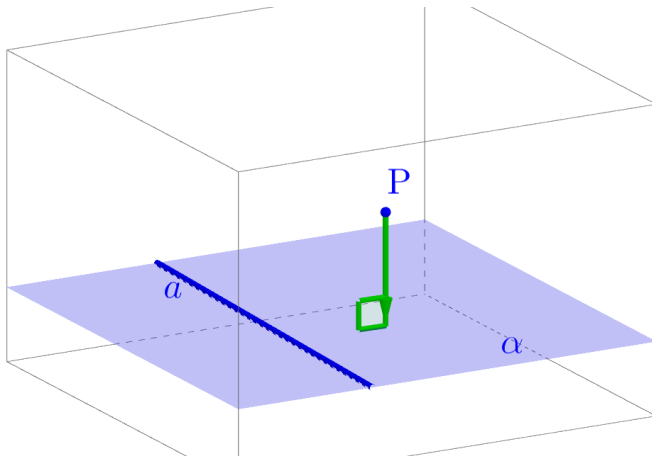
▶ End



When P is a point outside the plane α and the straight line a is on the plane α , the foot of the perpendicular drawn from P to the plane α is M . Suppose that M is N and that the foot of the perpendicular drawn from M to straight line a is N , then the line segments PN and a are perpendicular.

▶ Start

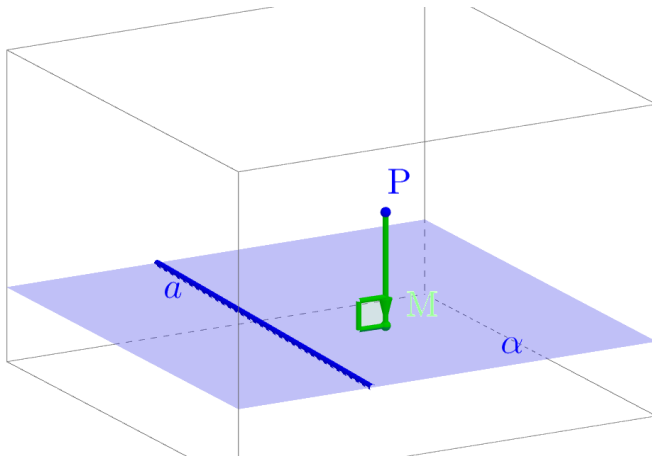
▶ End



When P is a point outside the plane α and the straight line a is on the plane α , the foot of the perpendicular drawn from P to the plane α is M . Suppose that M is on a and that the foot of the perpendicular drawn from M to straight line a is N , then the line segments PN and a are perpendicular.

▶ Start

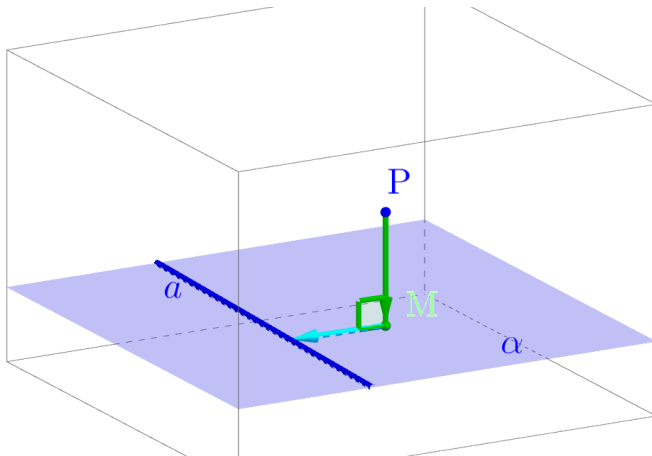
▶ End



When P is a point outside the plane α and the straight line a is on the plane α , the foot of the perpendicular drawn from P to the plane α is M . Suppose that M is N and that the foot of the perpendicular drawn from M to straight line a is N , then the line segments PN and a are perpendicular.

▶ Start

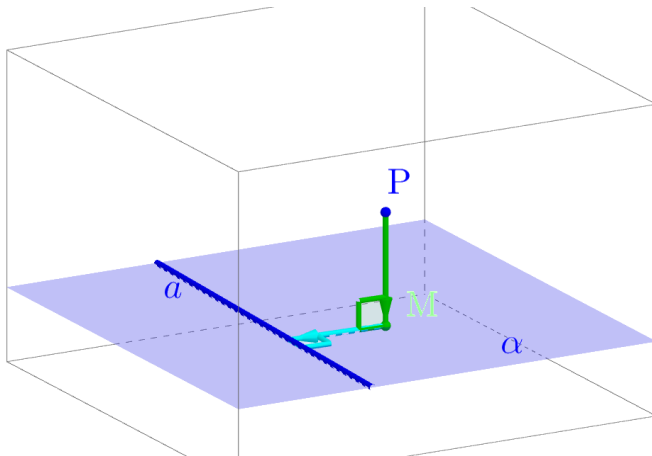
▶ End



When P is a point outside the plane α and the straight line a is on the plane α , the foot of the perpendicular drawn from P to the plane α is M . Suppose that M is N and that the foot of the perpendicular drawn from M to straight line a is N , then the line segments PN and a are perpendicular.

▶ Start

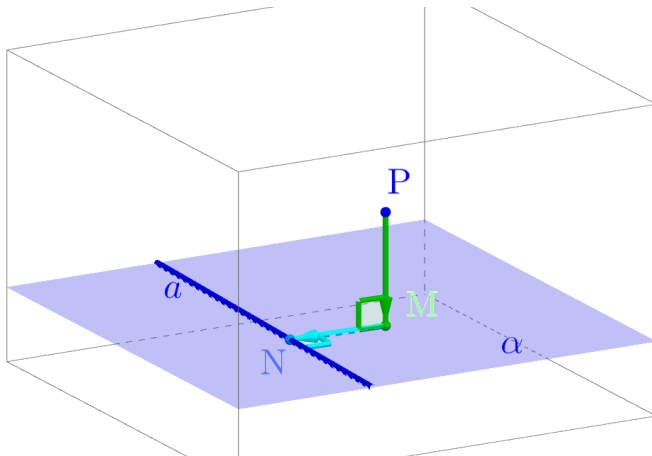
▶ End



When P is a point outside the plane α and the straight line a is on the plane α , the foot of the perpendicular drawn from P to the plane α is M . Suppose that M is N and that the foot of the perpendicular drawn from M to straight line a is N , then the line segments PN and a are perpendicular.

▶ Start

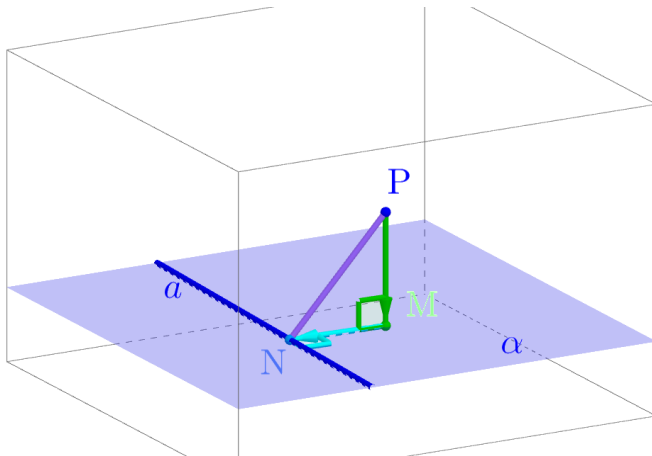
▶ End



When P is a point outside the plane α and the straight line a is on the plane α , the foot of the perpendicular drawn from P to the plane α is M . Suppose that M is N and that the foot of the perpendicular drawn from M to straight line a is N , then the line segments PN and a are perpendicular.

▶ Start

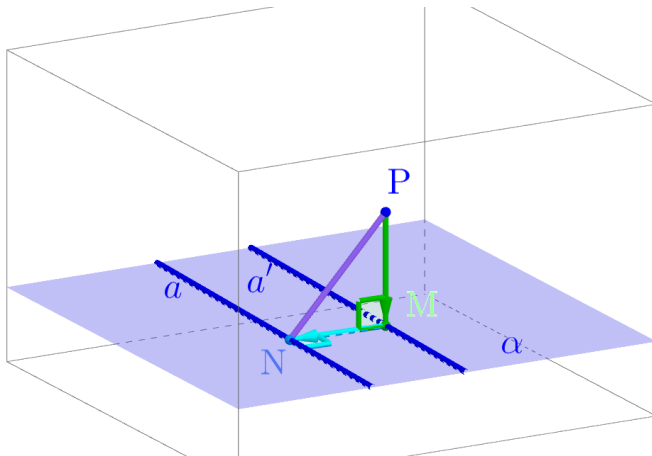
▶ End



When P is a point outside the plane α and the straight line a is on the plane α , the foot of the perpendicular drawn from P to the plane α is M . Suppose that M is on a and that the foot of the perpendicular drawn from M to straight line a is N , then the line segments PN and a are perpendicular.

▶ Start

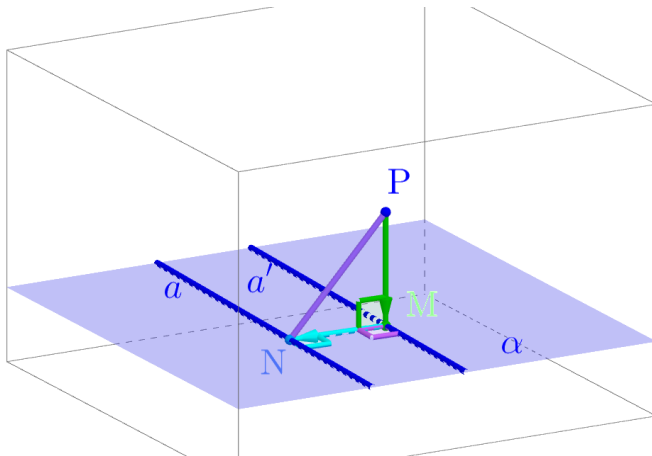
▶ End



When P is a point outside the plane α and the straight line a is on the plane α , the foot of the perpendicular drawn from P to the plane α is M . Suppose that M is N and that the foot of the perpendicular drawn from M to straight line a is N , then the line segments PN and a are perpendicular.

▶ Start

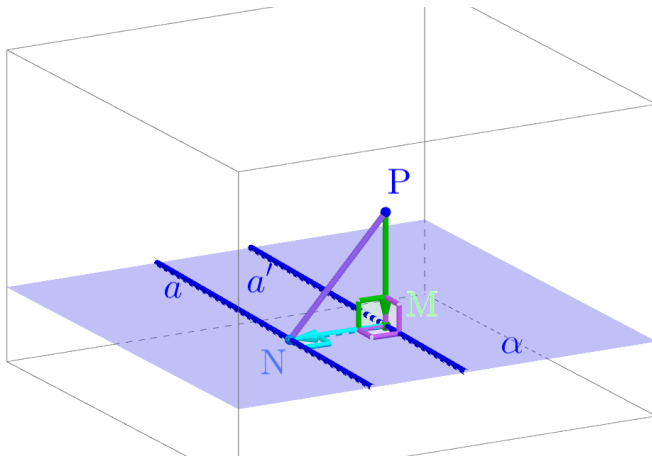
▶ End



When P is a point outside the plane α and the straight line a is on the plane α , the foot of the perpendicular drawn from P to the plane α is M . Suppose that M is N and that the foot of the perpendicular drawn from M to straight line a is N , then the line segments PN and a are perpendicular.

▶ Start

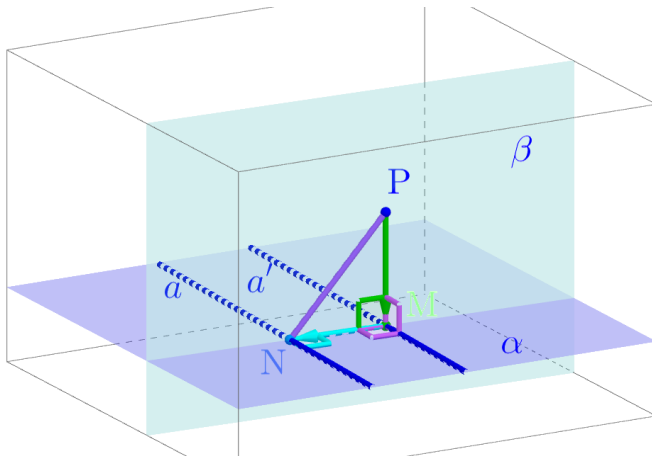
▶ End



When P is a point outside the plane α and the straight line a is on the plane α , the foot of the perpendicular drawn from P to the plane α is M . Suppose that M is N and that the foot of the perpendicular drawn from M to straight line a is N , then the line segments PN and a are perpendicular.

▶ Start

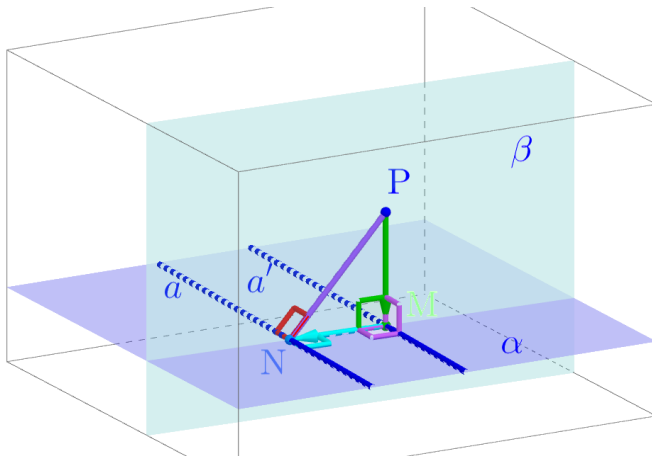
▶ End



When P is a point outside the plane α and the straight line a is on the plane α , the foot of the perpendicular drawn from P to the plane α is M . Suppose that M is N and that the foot of the perpendicular drawn from M to straight line a is N , then the line segments PN and a are perpendicular.

▶ Start

▶ End



When P is a point outside the plane α and the straight line a is on the plane α , the foot of the perpendicular drawn from P to the plane α is M . Suppose that M is N and that the foot of the perpendicular drawn from M to straight line a is N , then the line segments PN and a are perpendicular.

Github:

<https://min7014.github.io/math20230114001.html>

Click or paste URL into the URL search bar,
and you can see a picture moving.