



Zero Moment Point (ZMP)

- The Zero Moment Point(ZMP) is defined as the **point on the ground about which the sum of all the moments of the active forces equals zero.**
- A zero moment point is the **point where the reaction force at the contact of a humanoid robot's foot with the ground does not produce any moment in the horizontal direction**
- If the ZMP is within the convex hull of all contact points between the feet and the ground, the biped robot is possible to walk.

