

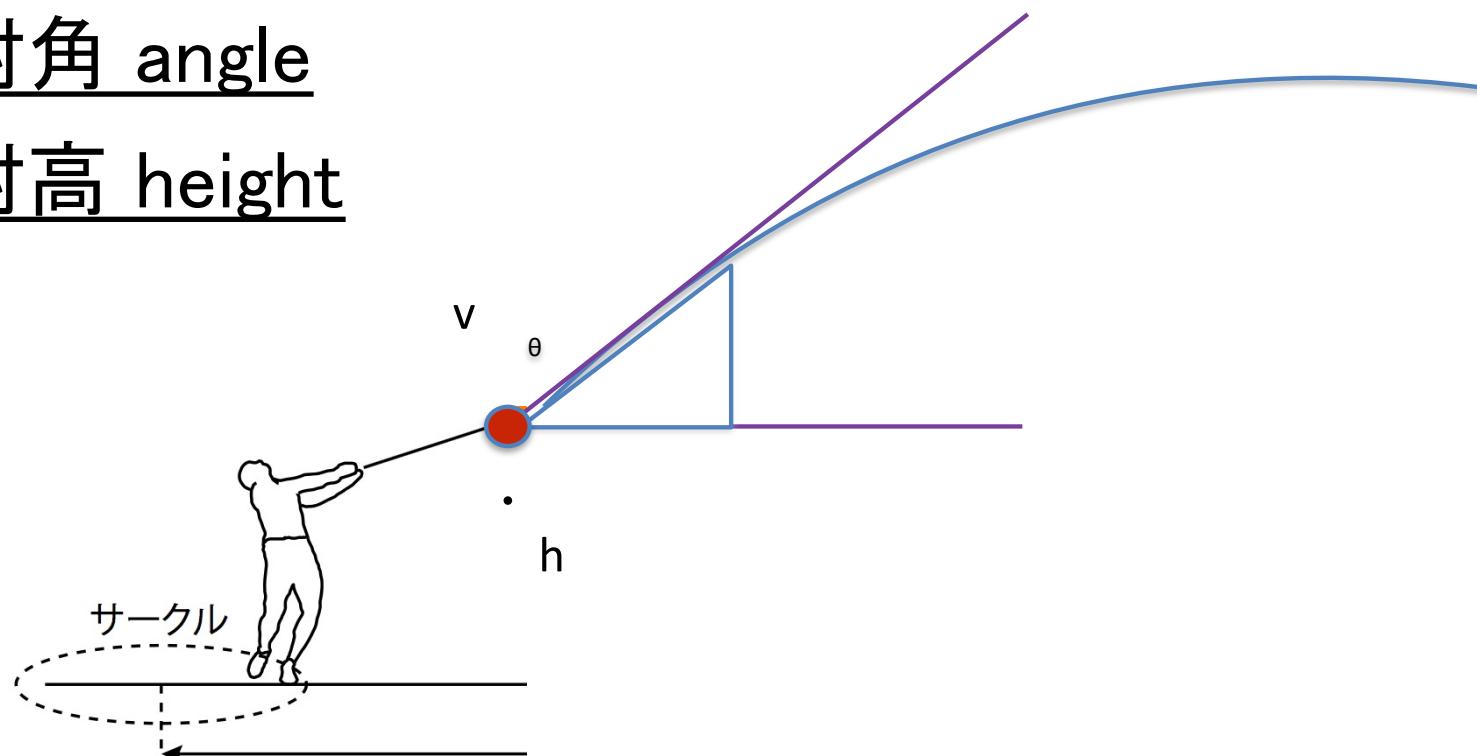
Initial condition at release point

投擲飛距離はリリース時の 3 条件で決定する！

1) 初速 velocity

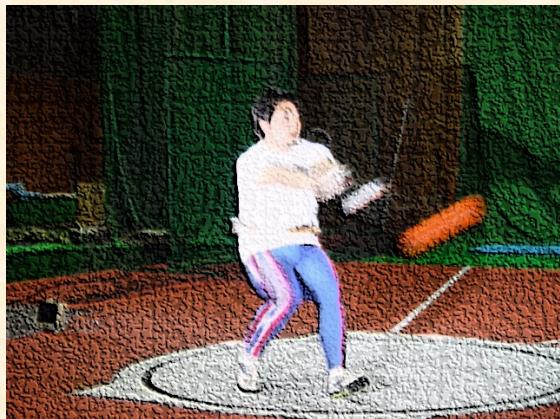
2) 投射角 angle

3) 投射高 height



Initial condition at release point 投擲リリース時の条件

Participants/ 被験者	Velocity/ 投射速度(m/s)	Angle/ 投射角 (°)	Height/ 投射高 (m)	Distance/ 推定飛距離 (personal best)
A	27.2	38.3	1.73	75m33 (PB 83m46)
B	23.3	36.7	1.55	54m87 (PB 59m95)
C	19.6	36.8	1.55	39m49 (PB 46m30)



Koji Murofushi, Shinji Sakurai, Koji Umegaki & Junji Takamatsu (2007) Hammer acceleration due to thrower and hammer movement patterns, Sports Biomechanics, 6:3, 301-314, DOI: [10.1080/14763140701489843](https://doi.org/10.1080/14763140701489843)

Wire tension ワイヤーに働く張力

