



Scientific Research Project
Biomechanical Analyses
at the
IAAF World Championships Daegu 2011

Shot Put Men – Qualification (Group A & Group B)

(September 1, 2011)

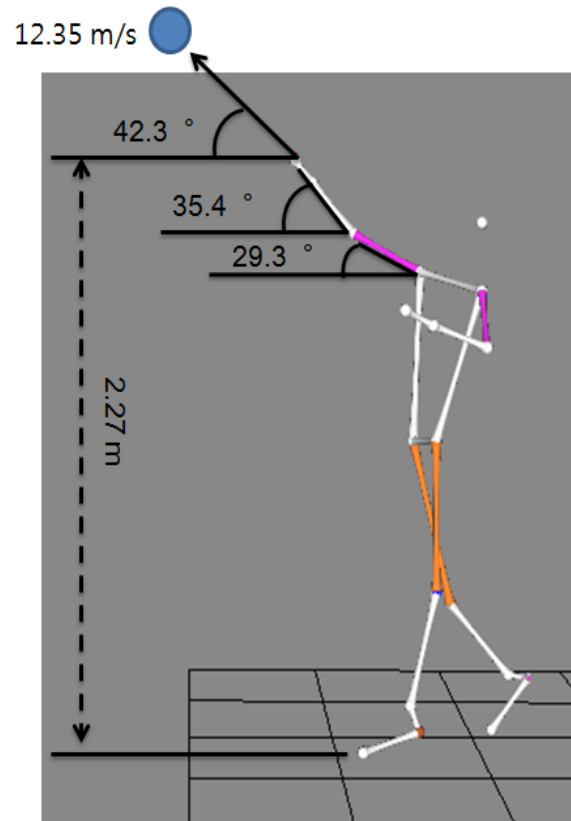


Korean Society of Sport Biomechanics

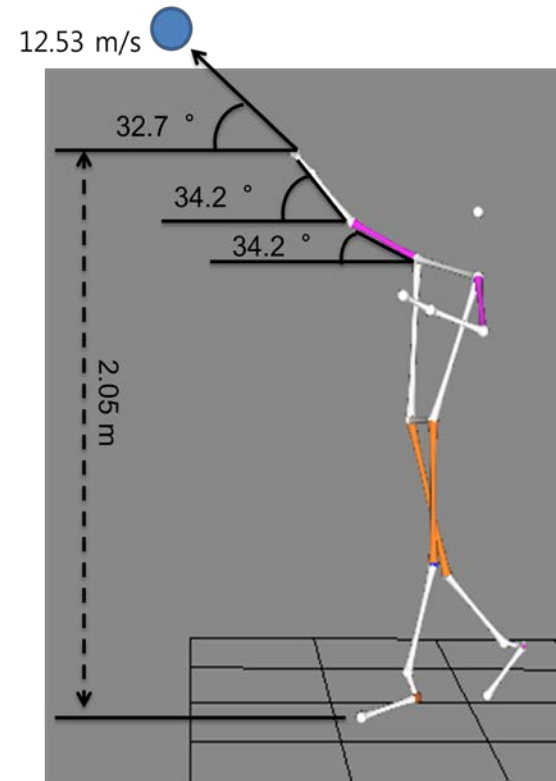
Biomechanical Analysis of Men's Shot put – Qualification (Group A & Group B)

Rank	NAME	Results WCh(m)	SB before WCh(m)		Style
1.	David STORL(GER)	21.50	21.05	2.1%	glide
2.	Dylan ARMSTRONG(CAN)	21.05	22.21	-5.3%	changing
3.	Reese HOFFA(USA)	20.96	21.87	-4.3%	changing
4.	Andrei MIKHNEVIKI(BLR)	20.79	22.10	-6.3%	glide
5.	Ryan WHITING(USA)	20.77	21.76	-4.4%	changing
6.	Christian CANTWELL(USA)	20.23	21.87	-7.5%	changing
7.	Tomasz MAJEWSKI(POL)	20.73	21.60	-4.0%	glide
DQ.	In-Sung Hwang (KOR)	17.75	18.69	-5.0%	glide

Rank	NAME	analyzed attempt	Results WCh(m)	release velocity (m/s)	release angle (deg.)	release height (m)	Inclination Angle (deg.)	
							Forearm	Upperarm
1.	David STORL(GER)	2	21.50	12.35	42.3	2.27	35.4	29.3
2.	Dylan ARMSTRONG(CAN)	2	21.05	12.53	32.7	2.05	34.2	34.2
3.	Reese HOFFA(USA)	1	20.96	13.74	31.1	2.03	35.0	42.9
DQ	In-Sung Hwang (KOR)	1	17.75	12.01	35.1	2.20	30.41	33.3

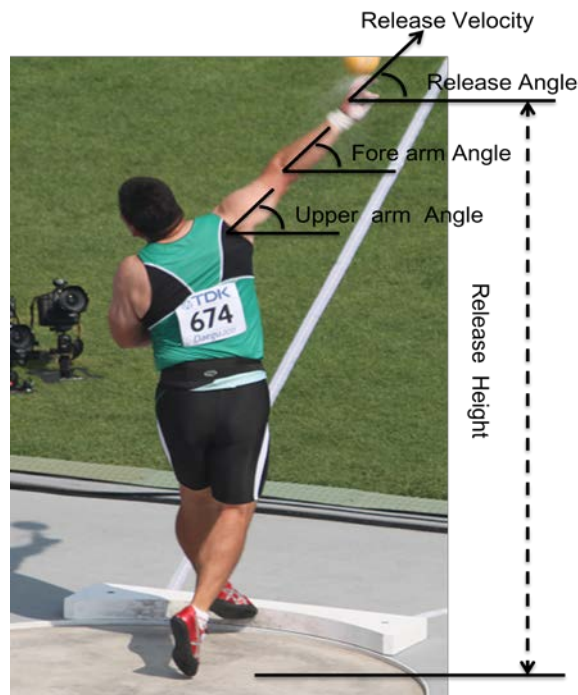


David STORL(GER)



Dylan ARMSTRONG(CAN)

In-Sung Hwang Result 17.75 m



In-Sung Hwang (KOR)