

ANALYSIS OF FOREHAND AND BACKHAND SERVICE IN BADMINTON

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ABSTRACT

For elucidate the differences between forehand and backhand short services in badminton, the present study was designed to analyze the kinematic variables and segmental angles - shuttle velocity, wrist angle, elbow angle and shoulder angle of six male badminton players. The data were recorded during "North-Zone Intervarsity Championship" held at Aligarh Muslim University, Aligarh, India. All subjects in the study were right handed badminton players. The mean age, body height and body weight were reported as 18.33 years (± 1.71), 166.5cm (± 3.30) and 57.17kg (± 7.93) respectively. The movements were recorded by 'Canon Legria HF S10 Comcorder' operating at 60 Hz. The identified clips were analyzed with the help of 'Silicon Coach Pro 7' motion analysis software. The result revealed that there was significant difference found between forehand and backhand short service in respect to shoulder angle at 0.05 level of significance.