

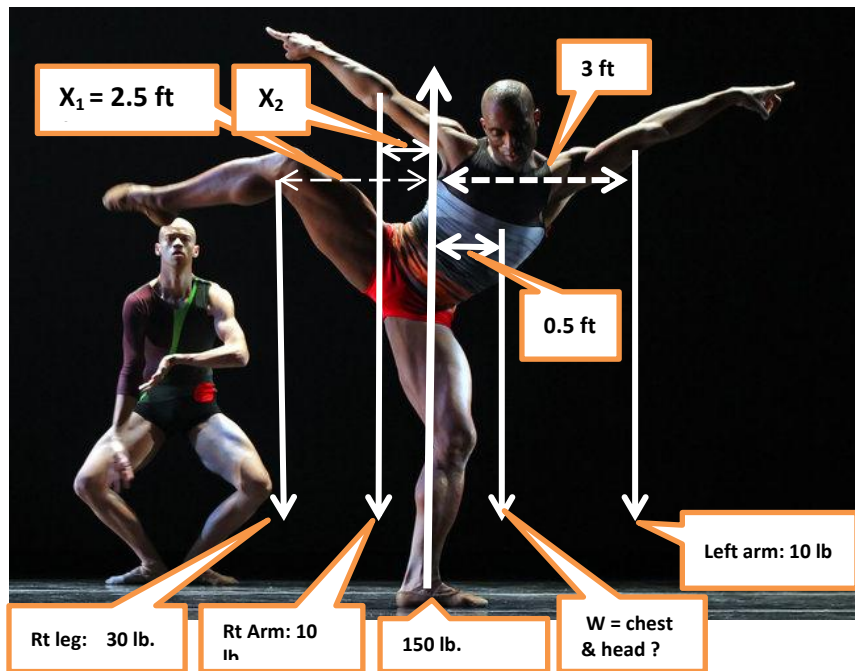
STATIC & ROTATIONAL EQUILIBRIUM Unit 15 Dr John P. Cise

Professor of Physics, Austin Com. College, 1212 Rio Grande St., Austin Tx. 78701 jpcise@austincc.edu

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On a Final Tour, a Dancer Translates Poetry and Prose Into Sinew and Snap

Since Dwight Rhoden and Desmond Richardson founded Complexions Contemporary Ballet in 1994, the company has had one clear reason for existing: as a showcase for the virtuoso dancing of Mr. Richardson. Because this will be his last year touring with the group, a new justification will soon be required.



INTRODUCTION: This dancer is in both Rotational and static equilibrium.

QUESTION: Find lever arm X_2 (distance from axis at base of left leg to center of mass of right arm) and W (weight of chest & head)?

HINT: Set up rotational equilibrium Equation and sum of forces in Y direction = 0. Note two unknowns requires two equations.

ANSWERS: $W = 100$ lb. , $X_2 = 0.5$ ft.

Mr. Rhoden's choreography isn't it. Never has been. Over the years it has become commonplace for a critic to praise Mr. Richardson's charisma and prowess by saying that he can make even Mr. Rhoden's dances watchable. The first program of Complexions' two-week season at the Joyce Theater gave Mr. Richardson one more chance to do that, with the premiere of "What Come, Thereafter."