

Who quotes and in which publication: A. F. Huxley and E. M. Simmons
Mechanical Transients and the Origin of Muscular Force
1972 Cold Spring Harb Symp Quant Biol., v. 37, p. 669-680 (1973)

Transliteration of the Last name: Deshcherevskii V.J.

The cited work of V.I.Deshcherevsky in the list of references of the quoting article:

Page 680 References:

Deshcherevskii V.J. 1968. Two models of muscular contraction. Biophysics **13**: 1093.
[Biophysics **13**, No 5, 1093-1101 (1968). Orig. Russ. Text: Biofizika **13**, № 5,
928—935 (1968)].

Quote

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Cyclic attachment and detachment of side-pieces. The case worked out by A.F.Huxley (1957) showed that a set of simple and plausible values for the rate constants for attachment and detachment led to relations between load, speed of shortening, and rate of energy liberation that agreed, within experimental error, with the results of Hill (1938). An ever simpler, though less plausible, set of assumptions within the same general framework, proposed by **Deshcherevskii** (1968), leads exactly to the formulae used by Hill (1938) to describe his results. We do not know of any other type of theory which leads in a natural way to these relationships, so we regard the idea of cyclic attachment and detachment as strongly (though not conclusively) supported.