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NOTE ON PUBLISHED TIMES OF MAXIMA OF DY PEGASI

Last year, Mahdy and Szeidl (1980) published a paper, "Period Changes of Dwarf Cepheids, I: CY Aquarii, EH Librae, DY Pegasi", in which our timings of maxima of DY Peg (Quigley and Africano; 1979) were used. In Table I of our paper, we had listed the 19 times of maxima we had measured at McDonald Observatory. In Table II we had listed maxima observed by earlier workers. Many of the earlier papers do not give times of maxima but instead tabulate observed points of the light curves. To determine the times of maxima from such tabulated data, we had used a quadratic fitting procedure. The majority of the maxima listed in our Table II were obtained by using this fitting procedure.

Mahdy and Szeidl concluded that our quadratic fitting procedure introduced a systematic lag of 0.0005d. (We won't argue the point here in this brief note.) Unfortunately, they applied this 0.0005d correction to our 19 McDonald Observatory timings. Since the McDonald data was in the form of high speed photometry light curves (integration times of 2-5 sec), it was a simple matter to determine the times of maxima directly from the computer generated plots, and our quadratic fitting procedure was not used. Thus, the "correction" applied by Mahdy and Szeidl to the McDonald DY Peg maxima is definitely wrong. In any future work incorporating this McDonald DY Peg data, the original, uncorrected values listed in Table I of our paper should be used.

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