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ISI® Adds Author Abstracts to Current Chemical Reactions® Database, Expands Coverage

The Institute for Scientific Information® (ISI®) has announced that two major enhancements will be made to the Current Chemical Reactions® (CCR®) Database.

Beginning with the 1991 final release (scheduled for this summer), the CCR® Database will include fully searchable author abstracts. Approximately 90 % of the articles covered in the database will contain abstracts.

ISI® will also expand 1992 CCR® Database journal coverage by 200 titles, bringing the total number of journals indexed in the database to over 300. This 200 % increase in coverage will strengthen the database in all areas of synthetic chemistry, especially the synthesis of polymers, agrochemicals, and biologically active substances. It will also boost the coverage of Japanese literature considerably.

This summer, ISI® will also release a five-year cumulation of the CCR® Database, containing all reactions from 1986-1990. This cumulation will offer access to more than 125,000 reactions, and will require less space than the five separate annual files combined.

For more information about the CCR® Database, or ISI®'s other chemical information products - Index Chemicus® and Current

Chemical Reactions® - call Shelly Rahman, Director/Chemical Information Division, at 800-336-4474 or 215-386-0100, ext. 1435. In Europe and the Middle East, call Robert Kimberley, Managing Director of ISI's European Division, at +44-895-270016.

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Erratum

N. S. Wu* / G. H. Gu

Peak Area Measurement of Severely Overlapped Pairs

published in Vol. 32, pp. 373-378 (1991)

On page 375, first column, below Eq. (11), the correct paragraph should read:

where $S = \sigma/\tau$, $T = (t - t_g)/\sigma$, $Z = \frac{1}{\sqrt{2}} (T - S)$, time t is meas-

ured in units of σ ; $h(t)$ is the peak height at time t and expressed in units of h_g ; τ is the time constant for exponential decay. σ , t_g and h_g are standard deviation, retention time and peak height of the parent Gaussian peak, respectively. The asymmetry of a peak depends on S and decreases with increasing S . In the normalized Eq. (11), the values of h_g and σ are all taken as unity. The area under the Gaussian profile is $\sqrt{2\pi} h_g \sigma$, measured in normalized time and height, the area is $\sqrt{2\pi}$. Assuming that the asymmetry and peak widths of two peaks are equal, the profile of an overlapped pair can be simulated by the following [5]: