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COMPARISON OF SOME TRIGONOMETRIC INTEGRALS

There are several integrals which recover coefficients of everywhere convergent trigonometric series from its sum by generalized Fourier formulae. Among them are Burkill's *SCP*-integral (Burkill J.C., Proc. London Math. Soc., 1951), James' *P*²-integral (James R.D., Canad. J. Math., 1950), and Preiss–Thomson's *AS*-integral (Preiss D., Canad. J. Math., 1989).

We show that *AS*-integral is noncompatible with both *SCP*- and *P*²-integrals, whereas it is known that the latter two are compatible.

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