

**Measurement of Vertical Dispersion and Coupling in the Daresbury SRS, J.A. CLARKE, CLRC**  
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Vertical dispersion in synchrotron radiation sources is undesirable because it degrades the properties of the photon beam. This dispersion has been measured in the SRS at two different working points. The results agree well with a theoretical model of the SRS with realistic magnet misalignment errors included. The emittance coupling of the SRS due to difference resonances has also been measured and compared with theoretical predictions.