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### **Weak-Star Convergence of Convex Sets**

We show that if a Banach space  $X$  is weakly compactly generated and  $C, C_n$  are weak-star-closed bounded convex nonempty subsets of the dual space  $X^*$ , then the support functionals  $\delta_{C_n}^*$  converge to  $\delta_C^*$  pointwise on  $X$  if and only if the sequence  $(C_n)$  is uniformly bounded with weak-star limit  $C$ .

**Keywords:** Scalar convergence, weak-star convergence, set convergence, weakly compactly generated.