1039-46-39 Gerald Beer\* (gbeer@cslanet.calstatela.edu), Dep[t of Mathematics, California State Univ Los Angeles, Los Angeles, CA 90032. Operator Topologies and Graph Convergence.

Let  $\mathbf{B}(X, Y)$  be the continuous linear transformations from a normed linear space X to a normed linear space Y. This article presents two general results - one for the norm topology on Y and one for the weak topology on Y - that explain how convergence of sequences in  $\mathbf{B}(X, Y)$  with respect to a topology of uniform convergence on a prescribed family of norm bounded subsets of X is reflected in the bornological convergence of the associated sequence of graphs with respect to a family of subsets of  $X \times Y$ . (Received February 24, 2008)