1086-47-565   **Chang-Pao Chen*** (`cpchen@wmail.hcu.edu.tw`), Center for general education, Hsuan Chuang University, Hsinchu, 30092, Taiwan, **Jin-Wen Lan**, Department of Mathematics, National Tsing Hua University, Hsinchu, 30013, Taiwan, and **Dah-Chin Luor**, Department of Applied Mathematics, I-Shou University, Kaohsiung, 84008, Taiwan. *Multidimensional extensions of Pólya-Knopp-type inequalities over spherical cones.* Preliminary report.

In this talk, we present a multidimensional extension of the Pólya-Knopp-type inequality for a general kernel. As a consequence, we prove that it includes the known results as special cases. We also point out that our estimates improve the known ones. (Received September 07, 2012)