1031-13-16   **Rafael H Villarreal*** (`vila@esfm.ipn.mx`), Departamento de Matematicas, Apartado Postal 14-740, 07000 Mexico City, D.F., Mexico. *Rees algebras and polyhedral cones of ideals of vertex covers of perfect graphs.* Preliminary report.

Let G be a perfect graph and let J be its ideal of vertex covers. We show that the Rees algebra of J is normal and that this algebra is Gorenstein if G is unmixed. Then we give a description–in terms of cliques–of the symbolic Rees algebra and the Simis cone of the edge ideal of G. (Received June 24, 2007)