# ON SECOND-ORDER OPTIMALITY CONDITIONS FOR CONIC PROGRAMMING

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In this talk we study second order optimality conditions for nonlinear conic programming problems, establishing links between nondegeneracy conditions and different second order optimality conditions. This extends known properties from classical nonlinear programming to a more general cone programming setting.

Then we discuss characterizations of strong regularity in terms of second order optimality conditions for second-order cone and semidefinite programming problems.

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## References

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