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The Moser method for infinitely degenerate equations

We implement the Moser iteration method to obtain boundedness and continuity of solutions to degenerate elliptic equations in which the ellipticity degenerates to infinite order. The degenerate nature of the problem allows the equation to offer a modest improvement for solutions measured in an Orlicz norm that grows slower than any power greater than one. This work is part of an ongoing collaboration with Lyudmila Korobenko, Eric Sawyer and Ruipeng Shen.