Subject: Re: Damping factor - SE vs. PP
Posted by Damir on Fri, 14 Oct 2005 06:11:34 GMT

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We are talking about dinamic anode resistance. It is increment change of alternating anode voltage "through" increment change of (inphase) anode current. Static anode characteristics are not ideal, and because of curvature, we have "added" second, third and other higher order "terms" to the simple ia=ua/rp. Contribution of third and other odd-order "terms" to the fundamental expression changes the simple static rp=ua/ia.My point is that with typical use of SE amp (small power, max. power only on short peaks), we have rel. small ua, rel. small contribution of odd-order distortion, and we can say that rp=ua/ia, or dinamic rp is about static rp, found graphically at the operating point.