

MODELISATION ANTENNES par F5JTM Sergio

Modélisation antennes – programme EZNEC par F5JTM le 15 juillet 2021

Une bonne nouvelle qui ravira j'en suis sûr, les gens qui modélisent les antennes à l'aide de logiciels gratuits ou payants.

Roy Lewallen, W7EL après un parcours bien rempli, passera en mode retraite début janvier 2022. Il cèdera quelques une de ses dernières versions gratuitement.

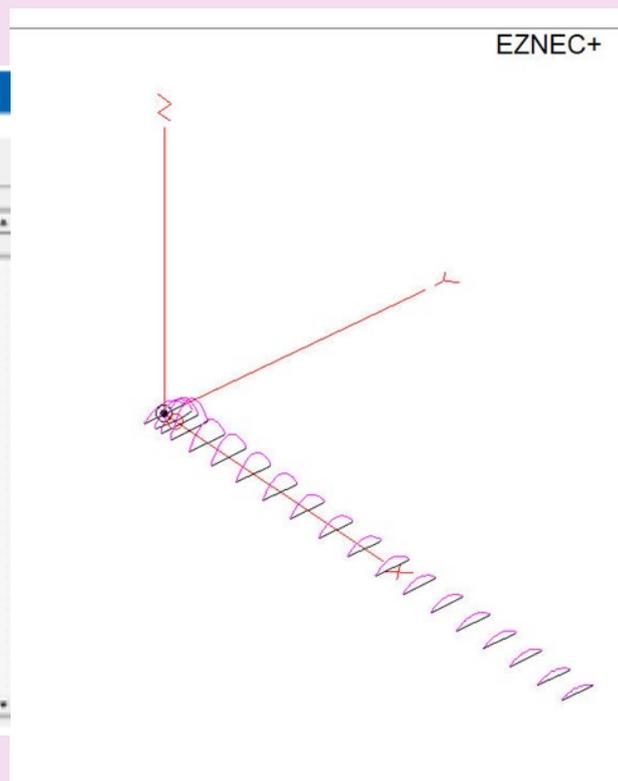
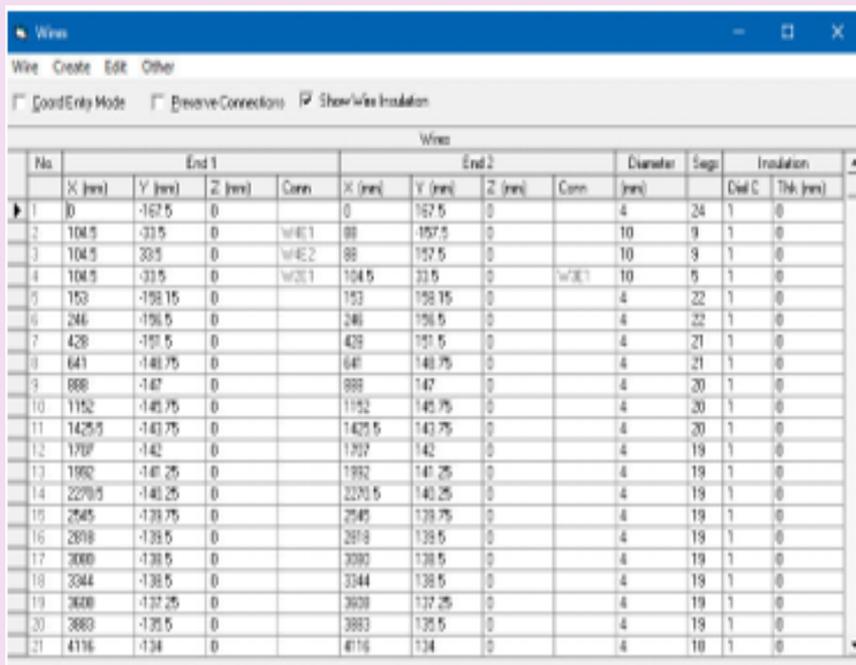
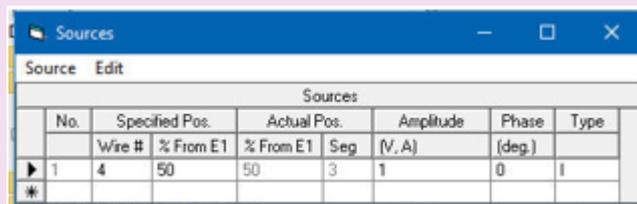
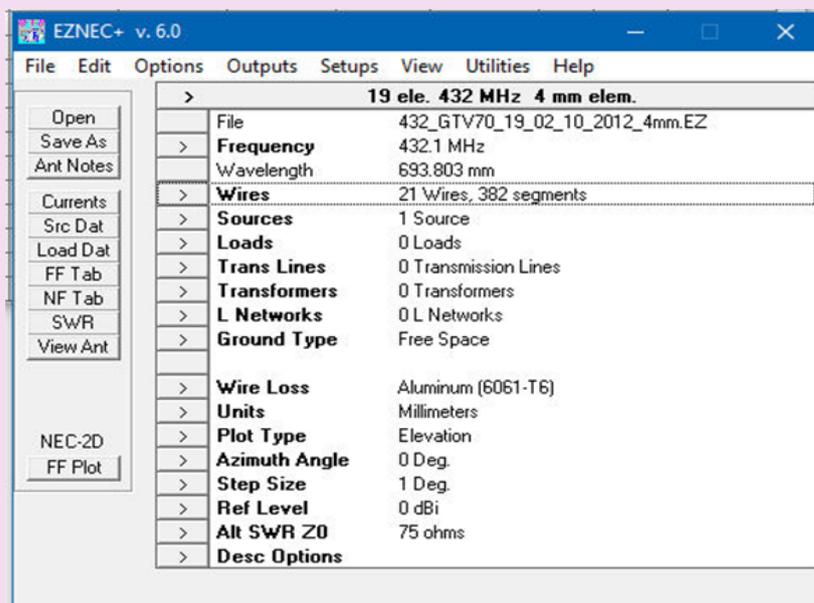
En attendant, vous pouvez consulter sa page et télécharger la version d'essai gratuite, mais limitée. <https://eznec.com/>

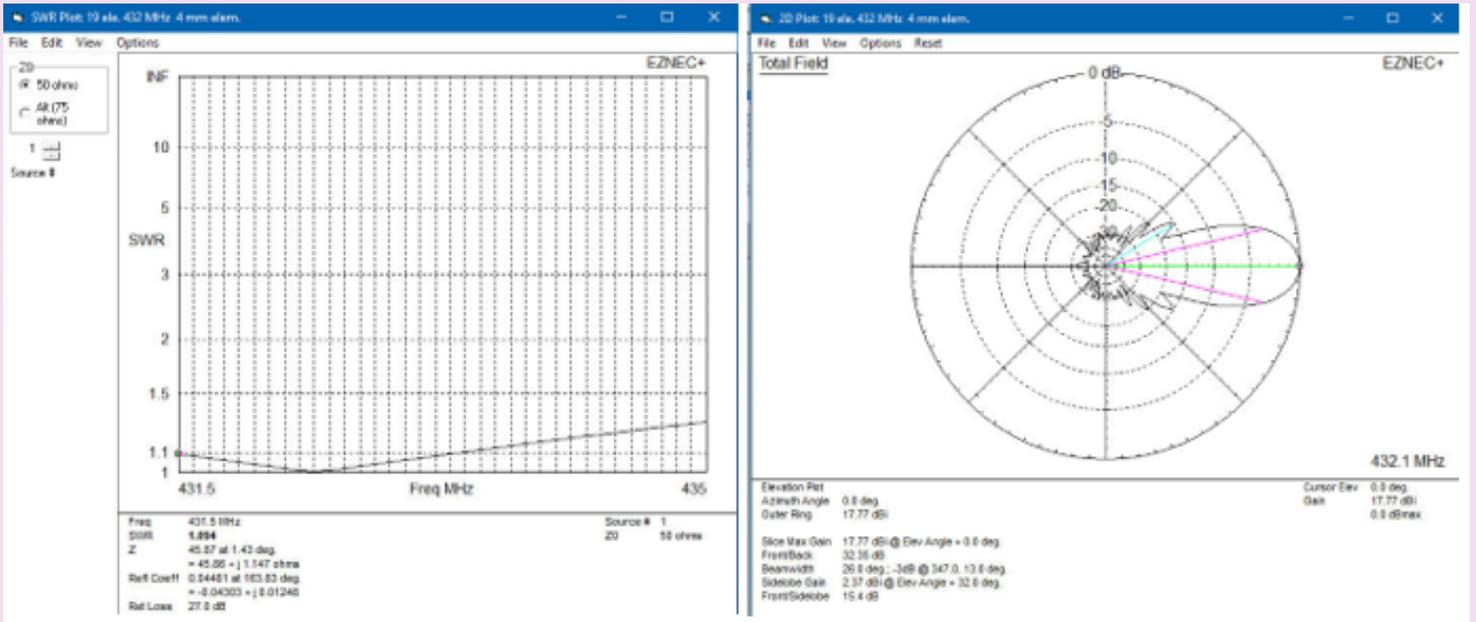
Voir les liens ci-dessous.

<https://translate.google.com/translate?sl=auto&tl=fr&u=https://eznec.com/retirement.htm>

<https://translate.google.com/translate?sl=auto&tl=fr&u=https://forums.qrz.com/index.php?threads/important-information-about-eznec.771241/>

Voici quelques copies écran.





Le logiciel est à base, soit du moteur NEC2 (gratuit) bien connu, soit NEC4.2 (payant) et utilise la méthode des moments.(M.O.M.).

Il permet de dessiner des antennes de toutes formes, mais dans la limite des possibilités du logiciel.

Il ne permet pas l'optimisation automatisée, comme dans les gratuits MMANA, ou 4NEC2 (symboles) . En revanche il pourra calculer des antennes yagis à brins télescopique, méthode Leeson .

<https://translate.google.com/translate?sl=en&tl=fr&u=http://www.antentop.org/w4m1.001/amod10.html>

Aussi, un programme annexe, AutoEZ.exe, permettra cette optimisation, avec bien d'autres possibilités comme d'importer certains autres formats de fichiers d'antennes (nec, ant, maa, etc...).

Vous trouverez ce logiciel ici :

<https://translate.google.com/translate?hl=fr&sl=en&u=https://ac6la.com/autoez.html&prev=search&pto=aue>

Un ouvrage vous permettra de vous familiariser avec ces 2 logiciels, écrit par ON5AU.

Modeling Made Easy and Optimized
by using variables, equations, and formulas

Over the last two decades, computerized antenna modeling has advanced greatly. Modeling, a powerful tool in Amateur Radio, can help you to design antennas and optimize their performances.

Advanced Antenna Modeling is in every respect the guide to using modeling software for designing, optimizing and evaluating antennas. It provides a detailed explanation to use EZNEC, the most popular antenna modeling program used by radio amateurs today, and thoroughly how to optimize the model with the AutoEZ application in conjunction with EZNEC.

With *Advanced Antenna Modeling*, you can evaluate and adjust pre-designed models and create your own models. Step by step you are guided and explained to become familiarized to important functions and procedures along the way. As you progress, you'll discover the strength of modeling with the extra use of various AutoEZ features.

Don Maguire, AC6LA – Both the scope and depth of material in Marcel's *Advanced Antenna Modeling* book are truly amazing. If you enjoy modeling, as I do, reading this book will spark many thoughts of "That's very clever!" and "I had no idea that was possible!"

John Devolders, ON4UN – I highly recommend *Advanced Antenna Modeling* to get experience with all the clever features AutoEZ offers. It is amazing to discover how Marcel manages to reposition a rather complex antenna structure. He is a master to explain in a clear way many other AutoEZ specific tricks.

The Author, ON5AU – From the start as radio ham, I was always interested in the know-how of antennas and most of my antennas were and still are home brew, such as cubical quads, Yagis, delta loops, multiband dipoles, ground plains, etc.

Advanced Antenna Modeling

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Marcel De Canck, ON5AU

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