

# Леонид Михайлович Горбунов



В 2007 году ушел из жизни профессор, доктор физико-математических наук ("Некоторые вопросы теории параметрических неустойчивостей и рассеяния мощного излучения", 1974), лауреат Государственной премии СССР, главный научный сотрудник Сектора теории плазменных явлений (СТПЯ) ФИАН **Леонид Михайлович Горбунов**.

Леонид Михайлович Горбунов внес весомый вклад в развитие электродинамики плазмы. Его работы по теории параметрических неустойчивостей в плазме, по теории рассеяния электромагнитных волн, по прохождению пучков частиц в плазме, по теории ускорения частиц электромагнитными полями и по теории генерации низкочастотных электромагнитных полей получили признание мирового сообщества физиков.

Леонид Михайлович обладал редким даром учить молодежь и коллег простому и ясному восприятию законов физики, учил видеть их красоту и глубину. Так случилось, что к моменту непредсказуемо раннего ухода из жизни им практически полностью была завершена работа над монографией «Введение в нелинейную электродинамику плазмы». Его друзья и коллеги закончили техническую часть работы по подготовке рукописи к печати. Подготовленный материал представляет несомненный интерес как для специалистов в области физики плазмы, так и для студентов и аспирантов, специализирующихся в тех областях физики, где необходимо углубленное знание проблем современной электродинамики плазмы. Значительная часть этого материала лежит в основе курсов, которые читал сам Леонид Михайлович и его ученики в ведущих вузах страны. В частности, первая менее полная версия его монографии, изданная в 1990 году, составляет основу одного из курсов, читаемых в МФТИ и в настоящее время.

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